

MAYANK KEJRIWAL

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CURRENT POSITION

Research Assistant Professor April 2019-Current
Industrial and Systems Engineering (ISE)
Viterbi School of Engineering, University of Southern California
Engage in research, mentorship and teaching activities as research faculty in the ISE department

Research Team Lead Sept. 2021-Current
Information Sciences Institute (ISI)
Viterbi School of Engineering, University of Southern California
Lead multiple funded research projects in ISI's AI and Complex Systems Group

EDUCATION

University of Texas at Austin
Department of Computer Science
M.Sc. and Ph.D., Computer Science Aug. 2012-May 2016
Graduation G.P.A: 3.83
Ph.D. thesis: *Populating a Linked Data Entity Name System*
Recipient of SWSA Best Dissertation Award
Adviser: Daniel P. Miranker

University of Illinois at Urbana-Champaign
Department of Electrical and Computer Engineering
B.Sc. in Computer Engineering, Highest Honors Aug. 2009-Aug. 2012
Graduation G.P.A: 3.89
Honors thesis: *Machine Learning Techniques in Offline Handwriting Transcription*

CURRENT PROJECTS

Commonsense Knowledge & Hybrid Artificial Intelligence for Trusted Flexible Manufacturing 4.0 (CHAIKMAT) Since Oct. 2021
Collaborating Researcher
Funded by the French National Agency of Research (ANR)

A Global Study of Inclusion Correlates Aug. 2020-Sep. 2021
Principal Investigator
Amount: 30,000\$
Funded under James H. Zumberge Faculty Research and Innovation Fund Diversity and Inclusion (D&I) Grant

A COVID-19 Knowledge Graph Infrastructure for Assistive Expertise Jul. 2020-Feb. 2021
Principal Investigator
Amount: 30,000\$ in computational resources on Azure cloud
Funded under Microsoft COVID-19 AI for Health Grant

Generating Novelty in Open-World Multi-Agent Environments (GNOME) Since Dec. 2019
Principal Investigator
Amount: 2,966,772\$
Anticipated Period of Performance: Dec. 2019-May 2023

Funded under DARPA Science of Artificial Intelligence and Learning for Open-world Novelty (SAIL-ON) program
Key Responsibilities: Developing a domain-independent science of novelty that can be used to characterize novel phenomena at various levels of granularity and specificity in multiple domains, and a domain-specific testbed (platform, protocol and metrics) that can be used to evaluate external novelty-adaptive AI systems being developed for playing stochastic multi-agent board games of strategy (e.g., Monopoly)

Representation Learning for Product Graphs Sep. 2019-Sep. 2020
Principal Investigator
Amount: 25,000\$

Funded under Yahoo! Faculty Research Engagement Program (FREP)

Key Responsibilities: Researching knowledge graph-based approaches for processing and doing analytics on Web-scale e-commerce datasets, including application areas such as product categorization, representation learning and entity reconciliation

Multi-modal Open World Grounded Learning and Inference (MOWGLI)

Since Aug. 2019

Principal Investigator

Amount: 9,850,056\$

Anticipated Period of Performance: Jun. 2019-May 2023

Funded under DARPA Machine Common Sense (MCS) program

Key Responsibilities: Researching neuro-symbolic techniques and algorithms for enabling machines to understand commonsense situations evaluated using both natural language and visual question-answering stimuli

Crisis Understanding using Intelligent Systems

Jul. 2019

Principal Investigator

Amount: 4650\$

Anticipated Period of Performance: May/Jun. 2020

Funded under USC Undergraduate Research Associates Program (URAP)

Key Responsibilities: Mentoring undergraduate students in research in a social impact project that applies Artificial Intelligence techniques to deriving actionable insights from social media data during natural disasters and crises

Discovery and Dismantling of Human Trafficking Networks

Since Jan. 2019

Principal Investigator

Amount: 100,000\$

Anticipated Period of Performance: Jan. 2019-Dec. 2020

Funded under Keston Research Project (non-contract)

Key Responsibilities: Building software and systems to enable a highly collaborative (with law enforcement, federal agencies and social and political scientists) endeavor to computationally discover (and dismantle) sex trafficking activity at national and global scales

PAST PROJECTS

THOR: Text-enabled Humanitarian Operations in Real-time

Jun. 2016-Jan. 2020

Principal Investigator

Amount: 686,240\$

Funded under DARPA Low Resource Languages for Emergent Incidents (LORELEI)

Key Responsibilities: Researching and transitioning robust entity linking, instance matching, clustering and network analysis methods to provide situational awareness to customers in the humanitarian assistance and disaster relief (HADR) domain

ELICIT: A System for Extracting and Organizing Causal Information

Aug. 2017-Jan. 2019

Funded under DARPA Causal Exploration of Complex Operational Environments (CauseEx)

Key Responsibilities: Semi-automatically modeling and discovering causal factors, and performing entity resolution across nodes of a heterogeneous knowledge graph constructed from structured, semi-structured and unstructured data sources.

DSBox: Data Scientist in a Box

Mar. 2017-Jan. 2019

Funded under DARPA Data-driven Discovery of Models (D3M)

Key Responsibilities: Performing research and development on, and building, an automated sequence modeling-based pipeline to minimize data cleaning effort by data scientists in the field.

GAIA: Generating Alternatives for Interpretation and Analysis

Jan. 2018-Aug. 2018

Funded under DARPA Active Interpretation of Disparate Alternatives (AIDA)

Key Responsibilities: Building on expertise in knowledge graphs and Entity Resolution to process, refine, link and reason over outputs of upstream multi-modal information extraction systems.

SAGE: Synergistic Anticipation of Geopolitical Events

Aug. 2017-May 2018

Funded under IARPA Hybrid Forecasting Competition (HFC)

Key Responsibilities: Building an advanced forecasting platform, both for research and actual use, that uses natural language processing and data mining to assist experts and forecasters in making informed predictions about geopolitical events.

DIG: Domain-specific Insight Graphs

Jun. 2016-Apr. 2018

Funded under DARPA MEMEX

Key Responsibilities: Researching and developing robust information extraction, search, link prediction and entity resolution algorithms to assist investigators and law enforcement in complex domains such as human trafficking and securities fraud.

SCHOLARSHIPS, AWARDS AND TRAVEL GRANTS

USC Mentorship Award, Graduate Student Category	2021
AAAS Early Career Award for Public Engagement with Science (Named Finalist)	2021
DataEthics4All Top 100 list of DIET Champions	Feb .2021
Phi Kappa Phi Love of Learning Award (\$500)	Aug. 2020
Microsoft COVID-19 AI for Health Computational Grant (30,000\$)	Jul. 2020
USC Marshall Dean's List	Fall 2019
Copper Black Award for Creative Achievement awarded by the Mensa Foundation	2019
Yahoo! Faculty Research Engagement Program (FREPE) Recipient	2019
Intellectual Benefits to Society Award awarded by the Mensa Foundation	2019
Red Judge, IBM Watson AI XPrize	2019
Forbes 30 Under 30 Shortlist (Science Category)	2019
Forbes Under 30 Scholar	2018
USC Marshall MBA Admissions Scholarship	2018-2019
THOR featured in DARPA's 60 th anniversary	2018
ISI Publication Award (500\$)	2018
AI2 Key Scientific Challenge Winner (10,000\$)	2018
Semantic Web Science Association Best Dissertation Award	2017
Amazon Cloud Credits for Research Grant	2017
Microsoft Azure for Research Grant	2017
AAAI Doctoral Consortium Travel Award	2015
Microsoft Azure for Research Grant	2014
National Science Foundation Travel Grant	2014
Department Nominee: Microsoft, Google fellowships	2013
Department Travel Grant	2013
MCD Fellowship	2012-2014
Daniel and Carol Dobberpuhl Award	2012
Senior 100 Honorary	2012
Henry O. Koehler Scholarship	2011
Chancellor's Scholar	2010-2012
Edmund J. James Scholar	2009-2012
UIUC Dean's List	2009-2012

TEACHING

University of Southern California	
Research Assistant Professor	
<i>ISE 540: Text Analytics</i>	Fall 2020
<i>ISE 599: Special Topics (Applied Predictive Analytics)</i>	Fall 2019
<i>CET New Faculty Teaching Institute participant (Fall 2019-Spring 2020)</i>	
University of Southern California	
Lecturer in Computer Science	Aug. 2016-Dec. 2016
<i>CSCI 548: Information Integration</i>	
University of Texas at Austin	
Teaching Assistant	Aug. 2012-Jun. 2014
<i>Contemporary Issues in Computer Science (Spring 2014)</i>	
<i>Automata Theory (Spring 2013)</i>	
<i>Data Management (Falls 2013, 2012)</i>	
<i>Artificial Intelligence (Fall 2012)</i>	

PAST EXPERIENCE

Information Sciences Institute, USC	
Research Lead	Apr. 2019-Current
<i>Lead multiple government funded research projects in ISI's Center on Knowledge Graphs</i>	
University of California at Riverside(UCR)	
UCR Extension Design Thinking Advisory Board Member	Sep. 2021-Current
Deep Discovery, Inc.	Feb. 2020-Aug. 2020

Advisor

Information Sciences Institute, USC

Computer Scientist

Jun. 2016-Current

Conduct research on multiple government-funded projects in ISI's Center on Knowledge Graphs

Information Sciences Institute, USC

AI Seminar Coordinator

Jan. 2017-Jan. 2018

Invited experts in AI and organized talks under the Intelligent Systems division at ISI

Capsenta, Inc.

Semantic Web Consultant

May 2016-Jun. 2016

Worked on integrating advanced ontology matching solutions in the company's current products

University of Texas at Austin

Graduate Research Assistant

Jun. 2014-May 2016

Conducted research in RiBS group led by Daniel P. Miranker

CareerBuilder LLC, Norcross, Georgia

Data Scientist Intern

May 2015-Aug. 2015

Worked in the R&D team on the Recruitment Edge and Company Normalization products

Rackspace, the Open Cloud Company, San Antonio, Texas

Summer Intern

May 2013-Jul. 2013

Worked on the Big Data team helping with a new Hadoop-based product roll-out

National Center for Supercomputing Applications, Urbana, Illinois

Undergraduate Research Intern

May 2011-Aug. 2011

Developed scalable machine learning techniques to automate digital handwriting transcription of terabyte-level US census data

University of Illinois at Urbana-Champaign

Camp Counselor

May 2010-Aug. 2010

Designed STEM exercises for high-school students, and supervised them thereof

University of Illinois at Urbana-Champaign

Freshman Research Intern

May 2010-Aug. 2010

Helped to automate biomedical image processing tasks using the ImageJ software tool

PROFESSIONAL SERVICE

- **Program Committee Member**, ESWC, 2022
- **Program Committee Member**, ACM/SIGAPP Symposium on Applied Computing, 2022
- **Program Committee Member**, TheWebConf, 2022
- **Session Chair**, Parameter Optimization in Modeling and Complex Systems, INFORMS Annual Meeting. Anaheim CA, 2021
- **Reviewer**, Frontiers in Psychiatry, 2021
- **Internal Reviewer**, USC Office of Research Strategic Directions for Research Award (SDRA) program, 2021
- **Editorial Advisory Board member**, Paths to the Prevention and Detection of Human Trafficking (book published through IGI Global), 2022
- **Co-Chair**, Designing Artificial intelligence for Open Worlds, AAAI Spring Symposium, 2022
- **Guest Editor**, Special Collection on Data Science for Social Good, Cell Patterns, 2021-2022
- **Reviewer**, Springer International Journal of Digital Libraries, 2021
- **Program Committee Member**, AAAI, 2022
- **Program Committee Member**, AAAI (Special Programs and Tracks), 2022
- **Program Committee Member**, AAAI (Demonstration Track), 2022
- **Reviewer**, DL4KG, 2021
- **Associate Editor**, Frontiers in Big Data - Data Mining and Management, June 2021-current
- **Program Committee Member**, 15th IEEE International Conference on Application of Information and Communication Technologies (AICT), 2021
- **Program Committee Member**, CIKM (Applied Research Track), 2021
- **Reviewer**, 11th IEEE Global Humanitarian Technology Conference, 2021

- **Program Committee Member**, Second International Workshop on the Combination of Symbolic and Sub-symbolic methods and their Application (CSSA), 2021
- **Program Committee Member**, Indo-American Knowledge Graph and Semantic Web (KGSWC) Conference, 2021
- **Program Committee Member**, The IEEE International Conference on Semantic Computing (ICSC), 2022
- **Associate Editor**, Social Network Analysis and Mining (SNAM) Journal, 2021
- **Program Committee Member**, ESWC (Research, P&D Tracks), 2021
- **Program Committee Member**, AAAI Demo Track, 2021
- **Program Committee Member**, ISWC (In-Use, Research Tracks), 2021
- **Senior Program Committee Member**, IJCAI, 2021
- **Reviewer**, IEEE Transactions on Knowledge Discovery from Data, 2021
- **Reviewer**, Semantic Web Journal, 2021
- **Reviewer**, Future Internet, 2021
- **Reviewer**, Information Sciences (Elsevier), 2021
- **Reviewer**, CHI 2021
- **Special Topic (AI and Complex Systems) Editorial Board Member**, MDPI Applied Sciences, 2021-2023
- **Guest Editor**, Special Issue on Knowledge Graph in Industrial Digital Ecosystems, Computers in Industry Journal, 2021
- **Topic Editor**, Special Issue on Knowledge Graphs in Industry, Frontiers in Big Data, 2020-2021
- **Panel Moderator**, Ensuring Responsible AI, Deep Learning 2.0 Virtual Summit (Ethics & Social Responsibility Stage), 2021
- **Program Committee Member**, 15th IEEE International Conference on Semantic Computing, 2021
- **Workshop and Tutorial Co-Chair**, International Semantic Web Conference (ISWC), 2021
- **Program Committee Member**, AAAI Conference (Research Track), 2021
- **Reviewer**, International Journal of Intelligent Systems, 2021
- **Reviewer**, IEEE Journal of Biomedical and Health Informatics, 2020-2021
- **Reviewer**, Data Mining and Knowledge Discovery, 2020
- **Guest Associate Editor**, Issue on Data Mining and Management, Frontiers, 2020-2021
- **Reviewer**, Expert Systems with Applications (Elsevier), 2020
- **Reviewer**, Telematics and Informatics (Elsevier), 2020
- **Session Chair**, CIKM (Applied Research Track; Sessions on E-Commerce, and Knowledge Understanding), 2020
- **Reviewer**, Information Processing & Management (Elsevier), 2020
- **Reviewer**, IEEE Transactions on Knowledge and Data Engineering, 2020
- **Reviewer**, Information Sciences (Elsevier), 2020
- **Reviewer**, Patterns (Cell), 2020
- **Program Committee Member**, International Track, 25th International Conference on Technologies and Applications of Artificial Intelligence (TAAI), 2020
- **Co-Chair**, Workshop on Knowledge Graphs and E-Commerce, held at KDD, 2020
- **Program Committee Member**, CIKM (Applied Research Track), 2020
- **Reviewer Board Member**, Information Journal, MDPI, 2020
- **Meta-reviewer**, Special Issue on Knowledge, Semantics and AI for Risk and Crisis Management in Journal of Contingencies and Crisis Management, May 2020
- **Program Committee Member**, Workshop on Combining Symbolic and Sub-Symbolic Methods and Their Applications co-located with CIKM 2020
- **Reviewer**, Data Science: Methods, Infrastructure and Applications, IOS Press, 2020
- **Program Committee Member**, Poster & Demo track, ESWC, 2020
- **Program Committee Member**, Research track, International Semantic Web Conference (ISWC), 2020
- **Program Committee Member**, In-use track, International Semantic Web Conference (ISWC), 2020
- **Program Committee Member**, 2nd Conference on Automated Knowledge Base Construction (AKBC), 2020
- **Program Committee Member**, Workshop on Deep Learning for Knowledge Graphs and Semantic Technologies, to be held at the Extended Semantic Web Conference (ESWC) in 2020
- **Program Committee Member**, IEEE International Conference on Semantic Computing (ICSC), 2021
- **Program Committee Member**, Extended Semantic Web Conference (ESWC), 2020
- **Co-Track Chair**, Machine Learning Track, Extended Semantic Web Conference (ESWC), 2020
- **Program Committee Member**, AAAI Conference (Demonstrations Track), 2020
- **Program Committee Member**, AAAI Conference (Research Track), 2020
- **Reviewer**, SoftwareX, 2019
- **General Chair**, ACM Knowledge Capture (K-CAP) Conference, 2019
- **Co-Organizer**, AI for Social Good (Humanitarian Relief and Development Track) at AAAI Fall Symposium, 2019
- **Program Committee Member**, Edited Book - ASONAM, 2019
- **Program Committee Member**, New Trends in Representation Learning with Knowledge Graphs (KGRL), ECML PKDD Workshop, 2019
- **Reviewer**, Expert Systems with Applications (Elsevier), 2019

- **Program Committee Member**, The Ninth International Conference on Social Media Technologies, Communication, and Informatics (SOTICS), 2019
- **Program Committee Member**, The 13th IEEE International Conference on Semantic Computing (ICSC), 2020
- **Program Committee Member**, 6th ICML Workshop on Automated Machine Learning (AutoML 2019)
- **Program Committee Member**, Workshop on Knowledge Graph Representation Learning for Flexible Reasoning co-held with ECML-PKDD, 2019
- **Reviewer**, Data Technologies and Applications, 2019
- **Reviewer**, ACM Computing Surveys, 2019
- **Program Committee Member**, International Semantic Web Conference (Research Track), 2019
- **Session Chair**, AAAI Conference (AI and the Web 2 Session), Jan. 29 2019
- **Session Chair**, AAAI Conference (Applications and the Web 1 Session), Jan. 29 2019
- **Session Chair**, AAAI Conference (Applications and the Web 2 Session), Jan. 30 2019
- **Program Committee Member**, Workshop on Semantic Web for Social Good (SWSG) co-held with the International Semantic Web Conference (ISWC), 2019
- **Invited Member**, MIT Technology Review Global Panel, 2019
- **Reviewer**, Data and Knowledge Engineering (Elsevier), 2019
- **Reviewer**, Information Systems (Elsevier), 2019
- **Reviewer**, Applied Sciences Journal (MDPI), 2019
- **Program Committee Member**, 7th International Conference on Building and Exploring Web Based Environments (WEB 2019)
- **Program Committee Member**, Extended Semantic Web Conference (ESWC), 2019
- **Reviewer**, 1st International Conference on Automated Knowledge Base Construction, 2019
- **Program Committee Member**, 1st International Workshop on Intelligence & Interaction in Knowledge Engineering (IIKE) held in conjunction with the 13th IEEE International Conference on Semantic Computing, 2019
- **Reviewer**, CHI 2019
- **Program Committee Member**, The 13th IEEE International Conference on Semantic Computing (ICSC), 2019
- **Program Committee Member**, AAAI Conference (Demonstration Track), 2019
- **Program Committee Member**, AAAI Conference (Research Track), 2019
- **Program Committee Member**, The ACM Web Conference (Web Mining and Content Analysis Track), 2019
- **Panelist**, International Workshop on Semantic Web for Social Good, ISWC 2018
- **Jury Member**, International Semantic Web Conference: Posters and Demos, 2018
- **Student Voice Champion**, University of London, 2018-2019
- **Editorial Board Member**, Special Issue on Knowledge Graphs, international Semantic Web Journal, 2018
- **Reviewer**, Applied Sciences Journal (MDPI), 2018
- **Reviewer**, IEEE Transactions on Knowledge and Data Engineering (TKDE), 2018
- **Reviewer**, ACM Transactions on the Web, 2018
- **Reviewer**, Semantic Web Journal, 2018
- **Reviewer**, Technologies, 2018
- **Reviewer**, Information, 2018
- **Reviewer**, Scientific Programming, 2018
- **Reviewer**, Machine Learning and Knowledge Extraction Journal, 2018
- **Program Committee Member**, International Workshop on Semantic Web for Social Good, ISWC 2018
- **FigShare Ambassador**, 2018
- **Program Committee Member (Research; Posters and demos)**, International Semantic Web Conference (ISWC), 2018
- **Co-Chair**, Workshop on Deep Learning for Knowledge Graphs and Semantic Technologies, to be held at the Extended Semantic Web Conference (ESWC) in Crete, Greece 2018
- **Guest Editorial Board**, Special Issue on Representation Learning for the Semantic Web, Journal of Web Semantics (2018)
- **Co-Chair**, BigNet workshop, to be held at the ACM The Web Conference (formerly known as ACM WWW) in Lyon, France 2018
- **Guest Editorial Board**, Special Issue on Semantic Deep Learning, Semantic Web Journal (2018)
- **Program Committee Member**, 1st Workshop on Knowledge Base Construction, Reasoning and Mining (KBCOM), co-held with ACM WSDM Conference 2018
- **Judge**, Virtual Poster Showcase at the American Geophysical Union Fall Meeting, 2017
- **Reviewer**, Semantic Web Journal (Nov. 2017)
- **Reviewer**, ACM Transactions on the Web (Nov. 2017)
- **Program Committee Member**, ACM The Web Conference (TheWebConf; former ACM World Wide Web), 2018
- **Reviewer**, IEEE Transactions on Knowledge and Data Engineering (TKDE), 2017
- **Co-Chair**, Hybrid Statistical Semantic Understanding and Emerging Semantics Workshop (HSSUES) half-day workshop, to be held at International Semantic Web Conference (ISWC), 2017
- **Program Committee Member**, Data-driven Discovery of Models (D3M) half-day workshop, to be held at International Conference on Data Mining (ICDM), 2017
- **Program Committee Member**, Broadening Participation in Data Mining (BPDM) workshop, to be held at KDD 2017

- **Program Committee Member (Research; Posters and demos)**, International Semantic Web Conference (ISWC), 2017
- **Sub-reviewer**, ACM World Wide Web Conference (WWW), 2017
- **Program Committee Member (Posters and demos)**, International Semantic Web Conference (ISWC), 2016
- **Program Committee Member**, International Joint Conference on Artificial Intelligence (IJCAI), 2016
- **Reviewer**, ACM Journal of Data and Information Quality (JDIQ), 2016
- **Sub-reviewer**, International Joint Conference on Artificial Intelligence (IJCAI), 2015
- **Sub-reviewer**, Very Large Databases (VLDB), 2013

OUTREACH AND ACTIVITIES

- **Committee Member**, 2021-22 FEEC (Faculty Environment and Employment) Committee, University of Southern California
- **Committee Member**, Epstein ISE Diversity, Equity and Inclusion Committee, Fall 2021
- **Oral Presentation**, "Domain-Specific Knowledge Graph Construction for Enabling Seamless AI Applications in the Environmental Sciences," The 3rd NOAA Workshop on Leveraging AI in Environmental Sciences, September 14, 2021
- **Poster Presentation** "Fostering Familial Scientific Appreciation through Graduate Student-Led Activities in Children's Museums (SciMuse)", Communicating the Future: Engaging the Public in Basic Science, Kavli Foundation, July 27, 2021
- **Invited Commentator Panelist**, US State Department's Global Engagement Center Virtual Tech Demo Presentation, June 16, 2021
- **Judge**, Center for Undergraduate Research in Viterbi Engineering (CURVE) Symposium, May 18, 2021
- **Member**, AAAS Local Science Engagement Network (LSEN) Community, Since April, 2021
- **Invited Participant**, XPrize Joint Action Meeting on Advancing Economic Equity for Black Americans, March 2021
- **Selected Participant**, Day One Project Technology Policy Accelerator (15% acceptance rate), *Future of Work* category, Mar.-May 2021
- **Panelist**, *A Strategic Approach to Faculty Racial Equity-Minded Action* hosted by USC Vice Dean Brandi Jones, March 2021
- **Invited Participant**, TEDCircles on AI for Preserving Memory, February 2021
- **Moderator**, Panel on 'Ensuring Responsible AI' o the Ethics & Social Responsibility Stage at RE*WORK's Deep Learning 2.0 Virtual Summit, January 2021, [Website](#)
- **Ethics4NextGenAI Hackathon**, Ambassador & Official Subject Matter Expert, Fall 2020, [Website](#)
- **Working Group on Faculty Representation and Experience (FRE)**, Industrial & Systems Engineering Faculty Representative, Fall 2020
- **ISE Diversity and Inclusion Committee Member**, Summer 2020
- **MIT Operations Simulation Competition**, USC Team MNXP Member, April 2019, [Website](#)
- **Everyone's Business Global Case Competition on Gender Equity**, USC Team Ruth Bader Ginsberg Member, March 2019, [Website](#)
- **AI Topics for K-12**, Editor-in-chief, March 2017-Current, [Website](#)
- **AAAI Connections**, Volunteer, February 2017
- **Present your research to a 12-year old**, Invited speaker at multiple venues, December 2015-May 2016
- **Engineering Open House**, University of Illinois at Urbana-Champaign, 2010

PROFESSIONAL SOCIETIES

- Association for the Advancement of Artificial Intelligence (AAAI)
- American Association for the Advancement of Science (AAAS)
- Association for Computing Machinery (ACM)
- Institute of Electrical and Electronics Engineers (IEEE)
- Institute for Operations Research and the Management Sciences (INFORMS)
- American Society for Engineering Education (ASEE)
- Society for Industrial and Applied Mathematics (SIAM)

ALUMNI NETWORKS

- London School of Economics, Los Angeles Chapter (2019)
- University of Southern California, Marshall School of Business (2018)
- Heidelberg Laureate Forum/German Scholars Organization e.V. (2017)
- University of Texas (2016)
- University of London (2015)
- University of Illinois (2012)

INVITED PARTICIPANT

- **Future of Disability Summit (2021)**, invited panelist
- **Concordia Summit (2019)**, co-held with the **UN General Assembly in New York City**: Roundtable on using Artificial intelligence for combating online sexual abuse of children
- **National Science Foundation Data Science Workshop (2015)**, held in **Seattle**: NSF-funded workshop attended by Ph.D. level data scientists after a rigorous national selection process
- **Heidelberg Laureate Forum (2015)**, held in **Heidelberg, Germany**: Invitation-only forum for 200 globally selected Math and CS students

TUTORIALS, CASE STUDIES AND DEMOS

- Tutorial:** *Knowledge Graphs: A Practical Introduction across Disciplines* Dec. 2021
Mayank Kejriwal
 Tutorial at the IEEE Symposium Series on Computational Intelligence (SSCI)
- Demo:** *Unsupervised real-time induction and interactive visualization of taxonomies over domain-specific concepts* Dec. 2021
Mayank Kejriwal and Ke Shen
 The IEEE/ACM ASONAM Conference (held virtually), 2021
- Tutorial:** *Commonsense Knowledge Acquisition and Representation* Feb. 2021
 Antoine Bosselut, Filip Ilievsky, **Mayank Kejriwal**, Simon Razniewski
 Tutorial at the AAAI Conference
[YouTube Link](#)
- Case Study:** *AI and Social Good in the Context of Child Sex Trafficking: Design Space and Best Practices* Dec. 2020
Mayank Kejriwal
 21st European Conference on Knowledge Management
Runner-up, the Knowledge Management and Intellectual Capital Excellence Awards at ECKM
- Tutorial:** *Knowledge Graphs: A Practical Introduction across Disciplines* Dec. 2020
Mayank Kejriwal
 Tutorial at the ASONAM Conference
- Demo:** *Generating Novelty in Open-World Multi-Agent Environments* Dec. 2020
Mayank Kejriwal and Shilpa Thomas
 NeurIPS Conference, 2020
- Tutorial:** *Commonsense Knowledge Graphs* Nov. 2020
 Filip Ilievsky, **Mayank Kejriwal**, Pedro Szekely
 Tutorial at the International Semantic Web Conference (ISWC) in Athens, Greece
- Tutorial:** *AI, Networks and Society* Sep. 2019
Mayank Kejriwal
 Invited Annenberg Micro-seminar, University of Southern California
- Demo:** *SAVIZ: Interactive Exploration and Visualization of Social Media over Crisis Data* Aug. 2019
Mayank Kejriwal and Peilin Zhou
 The IEEE/ACM ASONAM Conference in Vancouver, Canada 2019
- Demo:** *Expert-Guided Entity Extraction using Expressive Rules* Jul. 2019
Mayank Kejriwal, Runqi Shao and Pedro Szekely
 The ACM SIGIR Conference in Paris, France 2019
- Case Study:** *Reusing data and building upon it* Aug. 2018
Mayank Kejriwal, Megan Hardeman and Team Figshare
 Figshare case study [accessed online](#)
- Demo:** *THOR: Text-enabled Humanitarian Operations in Real-time* Apr. 2018
Mayank Kejriwal, Daniel Gille, Pedro Szekely, Jill Crisman
 The ACM Web Conference (formerly known as ACM WWW) in Lyon, France 2018
- Tutorial:** *Social Media Analysis for Situation Awareness during Crises* Apr. 2018
 Gregoire Burel, **Mayank Kejriwal**, Prashant Khare, Pedro Szekely
 Tutorial at the ACM Web Conference (formerly known as ACM WWW) in Lyon, France 2018
- Case Study:** *Technology-assisted Investigative Search: A Case Study from an Illicit Domain* Apr. 2018
Mayank Kejriwal, Pedro Szekely
 Case Study at the ACM CHI Conference on Human Factors in Computing Systems in Montreal, Canada 2018

- Demo:** *Unsupervised Hashtag Retrieval and Visualization for Crisis Informatics* **Feb. 2018**
 Yao Gu, **Mayank Kejriwal**
 Workshop on Social Web in Emergency and Disaster Management (SWDM), co-held with the ACM Web Search and Data Mining (WSDM) Conference in Los Angeles, California
- Tutorial:** *Knowledge Graph Construction from Web Corpora* **Feb. 2018**
Mayank Kejriwal, Craig Knoblock and Pedro Szekely
 AAAI Conference, held in New Orleans
- Demo:** *Constructing Domain-specific Search Engines with No Programming* **Feb. 2018**
Mayank Kejriwal, Pedro Szekely
 AAAI Conference, held in New Orleans
Nominated for Best Demo
- Demo:** *A Semantic Search Engine for Investigating Human Trafficking* **Oct. 2017**
Mayank Kejriwal, Pedro Szekely
 International Semantic Web Conference (ISWC), held in Vienna, Austria
- Tutorial:** *Constructing Domain-specific Knowledge Graphs (KGC)* **Oct. 2017**
Mayank Kejriwal, Craig Knoblock, and Pedro Szekely
 Full-day tutorial at International Semantic Web Conference (ISWC), 2017, held in Vienna, Austria
- Tutorial:** *Data Mining in Unusual Domains with Information-rich Knowledge Graph Construction, Inference and Search* **Aug. 2017**
Mayank Kejriwal and Pedro Szekely
 Conventional Tutorial at KDD, 2017, held in Halifax, Canada
- Tutorial:** *Information Integration* **Jul. 2017**
Mayank Kejriwal
 Tutorial at IS-GEO Summer Institute, 2017 held in Austin, TX

BOOKS, EDITORIALS AND CHAPTERS

- Knowledge Graphs: Theory, Techniques and Applications* **Mar. 2021**
Mayank Kejriwal, Craig Knoblock, and Pedro Szekely
 MIT Press
[Book Purchase Link](#)
- Smart Cities* **2021**
Mayank Kejriwal
 Invited book chapter
 Handbook of Big Geospatial Data, Springer
 Editors: Martin Werner, Yao-Yi Chiang
[Book Link](#)
- Visual Exploration and Debugging of Machine Learning Classification over Social Media Data* **2021**
Mayank Kejriwal and Peilin Zhou
Big Data and Social Media Analytics: Trending Applications
Lecture Notes in Social Networks, Springer Nature
 Editors: Çakırtaş, Mehmet & Ozdemir, Kemal
[Book Link](#)
- Knowledge, semantics and AI for risk and crisis management* **2020**
 Antonio De Nicola, Hedi Karray, **Mayank Kejriwal** and Nada Matta
 Invited Editorial in the *Journal of Contingencies and Crisis Management*
[Editorial Link](#)
- Chapter 33: Domain-specific Search Engines for Investigating Human Trafficking and Other Illicit Activities* **2020**
Mayank Kejriwal
 Encyclopedia of Criminal Activities and the Deep Web
 ISBN13: 9781522597155
 DOI: 10.4018/978-1-5225-9715-5

[Encyclopedia Link](#)*Domain-specific Knowledge Graph Construction*

2019

Mayank Kejriwal

Springer Brief

[Book Purchase Link](#)*Proceedings of the 2018 International Workshop on Learning Representations for Big Networks (BigNet@WWW2018) co-located with the International World Wide Web Conference (WWW 2018)*

2018

Editors: Jie Tang (Tsinghua University, China), Michalis Vazirgiannis (Ecole Polytechnique, France), Yuxiao Dong (Microsoft Research, Redmond, CA), Fragkiskos D. Malliaros (CentraleSupélec, France), Michael Cochez (Fraunhofer FIT, Germany), **Mayank Kejriwal (University of Southern California, USA)**, Achim Rettinger (Karlsruhe Institute of Technology, Germany)

ISBN: 978-1-4503-5640-4

Archival Link: <https://dl.acm.org/citation.cfm?id=3192293>*Proceedings of the First Workshop on Deep Learning for Knowledge Graphs and Semantic Technologies (DLKGS)**co-located with the 15th Extended Semantic Web Conference (ESWC 2018)*

2018

Editors (Alphabetical Order): Michael Cochez (Fraunhofer Institute for Applied Information Technology, Germany), Thierry Declerck (DFKI GmbH, Germany), Gerard de Melo (Rutgers University, USA), Luis Espinosa Anke (Cardiff University, UK), Besnik Fetahu (L3S Research Center, Germany), Dagmar Gromann (International Center for Computational Logic, Germany), **Mayank Kejriwal (University of Southern California, USA)**, Maria Koutraki (FIZ-Karlsruhe, Germany), Freddy Lecue (Accenture, Ireland), Enrico Palumbo (ISMB, Italy), Harald Sack (FIZ-Karlsruhe, Germany)

URN: urn:nbn:de:0074-2106-7

Archival Link: <http://ceur-ws.org/Vol-2106>*Joint Proceedings of the International Workshops on Hybrid Statistical Semantic Understanding and Emerging Semantics, and Semantic Statistics co-located with 16th International Semantic Web Conference (ISWC 2017)*

2017

Editors (Alphabetical Order): Sarven Capadisli (University of Bonn, Germany), Franck Cotton (INSEE, France), Xin Luna Dong (Amazon, USA), Ramanathan V. Guha (schema.org, USA), Armin Haller (ANU, Australia), Pascal Hitzler (Wright State University, USA), Evangelos Kalampokis (University of Macedonia, Greece), **Mayank Kejriwal (University of Southern California, USA)**, Freddy Lecue (Accenture Technology Labs, Ireland), D. Sivakumar (Google, USA), Pedro Szekely (University of Southern California, USA), Raphael Troncy (EURECOM, France) and Michael Witbrock (IBM, USA)

URN: urn:nbn:de:0074-1923-2

Archival Link: <http://ceur-ws.org/Vol-1923/>*Populating a Linked Data Entity Name System: A Big Data Solution for Unsupervised Instance Matching*

2017

Mayank Kejriwal

IOS Press, Studies in the Semantic Web Series

ISBN: 978-3-89838-717-0 2017

JOURNAL ARTICLES

An experimental study measuring human annotator categorization agreement on commonsense sentences

Jun. 2021

Henrique Santos, **Mayank Kejriwal**, Alice M. Mulvehill, Gretchen Forbush and Deborah L. McGuinness

Experimental Results (Cambridge University Press)

An Empirical Study of Emoji Usage on Twitter in Linguistic and National Contexts

Jun. 2021

Mayank Kejriwal, Qile Wang, Hongyu Li, Lu Wang

Online Social Networks and Media

Press (selected only): [Global News Canada](#), [CNN Indonesia](#), [IT-daily.net](#), [Diario De Cuyo](#) (Argentina), [Scientias.nl](#), [phys.org](#), [PresseText](#), [then24.com](#), [Market Research Telecast](#), [FTD](#) (Germany), [Forosocuellamos](#) (Spain), [exame.com](#), [Upgrade Magazine](#), [Psychomedia](#), [Samachar Central](#) (Canada), [NewsBeezer](#), [JFL Science](#), [studyfinds.org](#), [UniVistaTV](#)*A multi-agent simulator for generating novelty in monopoly*

Jun. 2021

Mayank Kejriwal, Shilpa Thomas

Simulation Modelling Practice and Theory

A Geo-Tagged COVID-19 Twitter Dataset for 10 North American Metropolitan Areas over a 255-Day Period

Jun. 2021

Sara Melotte, **Mayank Kejriwal**

MDPI Data

An evaluation and annotation methodology for product category matching in e-commerce

Jun. 2021

- Mayank Kejriwal**, Ke Shen, Chien-Chun Ni, Nicolas Torzec
Computers in Industry
- Socioeconomic Correlates of Anti-Science Attitudes in the US* Jun. 2021
Minda Hu, Ashwin Mohan Rao, **Mayank Kejriwal**, Kristina Lerman
MDPI Future Internet, Special Issue Digital and Social Media in the Disinformation Age
- Measuring spatio-textual affinities in twitter between two urban metropolises* Jun. 2021
Minda Hu, **Mayank Kejriwal**
Journal of Computational Social Science
- On using centrality to understand importance of entities in the Panama Papers* Mar. 2021
Mayank Kejriwal
PLOS One
- Unsupervised DNF Blocking for Efficient Linking of Knowledge Graphs and Tables* Mar. 2021
Mayank Kejriwal
MDPI Information Journal, Special issue on Knowledge Graphs for Search and Recommendation
- A meta-engine for building domain-specific search engines* Dec. 2020
Mayank Kejriwal
Software Impacts Journal
- Knowledge Graphs and COVID-19: Opportunities, Challenges, and Implementation* Oct. 2020
Mayank Kejriwal
Harvard Data Science Review
- Structural studies of the global networks exposed in the Panama papers* Sep. 2020
Mayank Kejriwal, Akarsh Dang
Applied Network Science
- On detecting urgency in short crisis messages using minimal supervision and transfer learning* Jul. 2020
Mayank Kejriwal, Peilin Zhou
Social Network Analysis and Mining
- Network-theoretic modeling of complex activity using UK online sex advertisements* Jun. 2020
Mayank Kejriwal, Yao Gu
Applied Network Science
- Network-theoretic information extraction quality assessment in the human trafficking domain* Jul. 2019
Mayank Kejriwal, Rahul Kapoor
Applied Network Science
- A Pipeline for Rapid Post-Crisis Twitter Data Acquisition, Filtering and Visualization* Apr. 2019
Mayank Kejriwal, Yao Gu
MDPI Technologies, Special Issue on Multimedia and Cross-modal Retrieval
- myDIG: Personalized Illicit Domain-Specific Knowledge Discovery with No Programming* Mar. 2019
Mayank Kejriwal, Pedro Szekely
Future Internet
- How do Organizations Publish Semantic Markup? Three Case Studies Using Public Schema.org Crawls* Jun. 2018
Daye Nam, **Mayank Kejriwal**
IEEE Computer
- Investigative Knowledge Discovery for Combating Illicit Activities* Feb. 2018
Mayank Kejriwal, Pedro Szekely, Craig Knoblock
IEEE Intelligent Systems
- Knowledge Graphs for Social Good: An Entity-centric Search Engine for the Human Trafficking Domain* Nov. 2017

Mayank Kejriwal, Pedro Szekely
IEEE Transactions on Big Data, Special Call on Knowledge Graphs

Scalable Generation of Type Embeddings using the ABox **Aug. 2017**

Mayank Kejriwal, Pedro Szekely
Open Journal of Semantic Web

An Unsupervised Instance Matcher for Schema-free RDF Data **Jul. 2015**

Mayank Kejriwal, Daniel P. Miranker
The Journal of Web Semantics

OTHER PEER-REVIEWED PUBLICATIONS (ARCHIVAL CONFERENCES, LETTERS AND NON-ARCHIVAL WORKSHOPS)

On the Generalization Abilities of Fine-Tuned Commonsense Language Representation Models **Dec. 2021**

Ke Shen, **Mayank Kejriwal**
41st British Computer Society Specialist Group on Artificial Intelligence Conference (AI-2021)
Published in Springer Lecture Notes in Artificial Intelligence
Winner of Best Refereed Technical Paper Award

A Feasibility Study of Open-Source Sentiment Analysis and Text Classification Systems on Disaster-Specific Social Media Data **Dec. 2021**

Mayank Kejriwal, Ge Fang and Ying Zhou
IEEE Symposium Series on Computational Intelligence (SSCI)

Reinforcing Robustness of AI Agents to Open-World Novelty: Challenges and Roadmap **Sep. 2021**

Mayank Kejriwal, Shilpa Thomas
Academia Letters

Empirical Best Practices On Using Product-Specific Schema.org **Feb. 2021**

Mayank Kejriwal, Ravi Kiran Selvam, Chien-Chun Ni and Nicolas Torzec
Thirty-Third Annual Conference on Innovative Applications of Artificial Intelligence (IAAI)

Locally Constructing Product Taxonomies from Scratch Using Representation Learning **Dec. 2020**

Mayank Kejriwal, Ravi Kiran Selvam, Chien-Chun Ni and Nicolas Torzec
The 2020 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining

On using Product-Specific Schema.org from Web Data Commons: An Empirical Set of Best Practices **Aug. 2020**

Ravi Kiran Selvam, **Mayank Kejriwal**
KDD Workshop on Knowledge Graphs and E-Commerce

Co-LOD: Continuous Space Linked Open Data **Oct. 2019**

Outrageous ideas track
Winner of Blue Sky Ideas award
Mayank Kejriwal, Pedro Szekely
The 2019 International Semantic Web Conference, held in Auckland, New Zealand

Concept Drift in Bias and Sensationalism Detection: An Experimental Study **Aug. 2019**

Multi-disciplinary track
Shuo Zhang, **Mayank Kejriwal**
The 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining, held in Vancouver, Canada

Low-supervision urgency detection and transfer in short crisis messages **Aug. 2019**

Mayank Kejriwal, Peilin Zhou
The 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining, held in Vancouver, Canada

Unsupervised Product Entity Resolution using Graph Representation Learning **Jul. 2019**

Mozhdeh Gheini, **Mayank Kejriwal**
The ACM 2019 SIGIR Workshop on eCommerce, held in Paris, France

GAIA-A Multi-media Multi-lingual Knowledge Extraction and Hypothesis Generation System **Nov. 2018**

Tongtao Zhang, Ananya Subburathinam , Ge Shi , Lifu Huang , Di Lu , Xiaoman Pan , Manling Li , Boliang Zhang, Qingyun Wang , Spencer Whitehead , Heng Ji, Alireza Zareian , Hassan Akbari , Brian Chen , Ruiqi Zhong , Steven Shao , Emily Allaway , Shih-Fu Chang , Kathleen McKeown, Dongyu Li, Xin Huang, Kexuan Sun, Xujun Peng , Ryan Gabbard , Marjorie Freedman , **Mayank Kejriwal** , Ram Nevatia , Pedro Szekely, T.K. Satish Kumar, Ali Sadeghian , Giacomo Bergami , Sourav Dutta , Miguel Rodriguez,, Daisy Zhe Wang
Text Analysis Conference (TAC) KBP track, 2018

Structured Event Entity Resolution in Humanitarian Domains **Oct. 2018**

Mayank Kejriwal, Jing Peng, Haotian Zhang and Pedro Szekely
International Semantic Web Conference (Research Track), held in Monterrey, California

P4ML: A Phased Performance-Based Pipeline Planner for Automated Machine Learning **Jul. 2018**

Yolanda Gil, Ke-Thia Yao, Varun Ratnakar, Daniel Garijo, Greg Ver Steeg, Pedro Szekely, Robert Brekelmans, **Mayank Kejriwal**, Fanghao Luo and I-Hui Huang
AutoML Workshop 2018 at the International Conference on Machine Learning (ICML) in Stockholm, Sweden

Domain-specific Insight Graphs **Apr. 2018**

Pedro Szekely, **Mayank Kejriwal**
International Project track paper at the ACM Web Conference (formerly known as ACM WWW) in Lyon, France 2018

A Pipeline for Post-Crisis Twitter Data Acquisition **Feb. 2018**

Mayank Kejriwal, Yao Gu
Workshop on Social Web in Emergency and Disaster Management (SWDM), co-held with the ACM Web Search and Data Mining (WSDM) Conference in Los Angeles, California

Always Lurking: Understanding and Mitigating Bias in Online Human Trafficking Detection **Feb. 2018**

Kyle Hundman, Thamme Gowda, **Mayank Kejriwal** and Benedikt Boecking
AAAI/ACM Conference on AI, Ethics and Society (AIES), 2018, held in New Orleans, Louisiana

FlagIt: A System for Minimally Supervised Human Trafficking Indicator Mining **Dec. 2017**

Mayank Kejriwal, Jiayuan Ding, Runqi Shao, Anoop Kumar and Pedro Szekely
Workshop on *Learning with Limited Labeled Data* (LLD) at NeurIPS 2017, held in Long Beach, California

Neural Embeddings for Populated Geonames Locations **Oct. 2017**

Mayank Kejriwal, Pedro Szekely
International Semantic Web Conference (Resource Track), held in Vienna, Austria

An Investigative Search Engine for the Human Trafficking Domain **Oct. 2017**

Mayank Kejriwal, Pedro Szekely
International Semantic Web Conference (In-Use Track), held in Vienna, Austria

Adaptive Candidate Generation for Scalable Edge-discovery Tasks on Data Graphs **Aug. 2017**

Mayank Kejriwal
MLG Workshop at ACM KDD, 2017, held in Halifax, Nova Scotia, Canada

Predicting Role Relevance with Minimal Domain Expertise in a Financial Domain **May 2017**

Mayank Kejriwal
DSMM Workshop at ACM SIGMOD, 2017, held in Chicago, Illinois

Using Contexts and Constraints for Improved Geotagging of Human Trafficking Webpages **May 2017**

Rahul Kapoor, **Mayank Kejriwal**, Pedro Szekely
GeoRich Workshop at ACM SIGMOD, 2017, held in Chicago, Illinois

Supervised Typing of Big Graphs using Semantic Embeddings **May 2017**

Mayank Kejriwal, Pedro Szekely
Semantic Big Data (SBD) Workshop at ACM SIGMOD, 2017, held in Chicago, Illinois

Information Extraction in Illicit Domains **Apr. 2017**

Mayank Kejriwal, Pedro Szekely
ACM World Wide Web Conference, 2017, held in Perth, Australia

<i>Local, Domain-independent Heuristics for the FEIII Challenge: Lessons and Observations</i> Mayank Kejriwal , Daniel P. Miranker DSMM Workshop at ACM SIGMOD, 2016, held in San Francisco, California	Jun. 2016
<i>A Pipeline for Extracting and Deduplicating Domain-Specific Knowledge Bases</i> Mayank Kejriwal , Qiaoling Liu, Ferosh Jacob and Faizan Javed Industry track in the IEEE International Conference on Big Data, held in Santa Clara, California	Oct. 2015
<i>Decision-making Bias in Instance Matching Model Selection</i> Mayank Kejriwal , Daniel P. Miranker The 14 th International Semantic Web Conference, held in Bethlehem, Pennsylvania	Oct. 2015
<i>Sorted Neighborhood for Schema-free RDF Data</i> Mayank Kejriwal , Daniel P. Miranker Winner of best paper award The 4 th Knowledge Discovery and Data Mining meets Linked Open Data workshop, The 12 th European Semantic Web Conference, held in Portoroz, Slovenia	May 2015
<i>Semi-supervised Instance Matching using Boosted Classifiers</i> Mayank Kejriwal , Daniel P. Miranker The 12 th European Semantic Web Conference, held in Portoroz, Slovenia	May 2015
<i>Entity Resolution in a Big Data Framework</i> Mayank Kejriwal Doctoral consortium, the 29 th Conference on Artificial Intelligence (AAAI), held in Austin, TX	Jan. 2015
<i>Populating Entity Name Systems for Big Data Integration</i> Mayank Kejriwal The 13 th International Semantic Web Conference, held in Riva Del Garda, Italy	Oct. 2014
<i>A Two-Step Blocking Scheme Learner for Scalable Link Discovery</i> Mayank Kejriwal and Daniel P. Miranker The 9 th International Workshop on Ontology Matching at the 13 th International Semantic Web Conference, held in Riva Del Garda, Italy	Oct. 2014
<i>Schema Matching over Relations, Attributes and Data Values</i> Aibo Tian, Mayank Kejriwal and Daniel P. Miranker The 26 th International Conference on Scientific and Statistical Database Management, held in Aalborg, Denmark	Jul. 2014
<i>An Unsupervised Algorithm for Learning Blocking Schemes</i> Mayank Kejriwal and Daniel P. Miranker The 13 th IEEE International Conference on Data Mining, held in Dallas, Texas	Dec. 2013
<i>Extended Scaled Neural Predictor for Improved Branch Prediction</i> Zihao Zhou, Mayank Kejriwal and Risto Miikkulainen The IEEE International Conference on Neural Networks, held in Dallas, Texas	Aug. 2013
<i>A Framework to Access Handwritten Information within Large Digitized Paper Collections</i> Liana Diesendruck, Luigi Marini, Rob Kooper, Mayank Kejriwal and Kenton McHenry The 8 th IEEE International Conference on eScience, held in Chicago, Illinois	Oct. 2012
<i>Digitization and search: A non-traditional use of HPC</i> Liana Diesendruck, Luigi Marini, Rob Kooper, Mayank Kejriwal and Kenton McHenry The 8 th IEEE International Conference on eScience, held in Chicago, Illinois	Oct. 2012
PRESS, ABSTRACTS AND NON-ACADEMIC ARTICLES	
<i>Graph Representation Learning: From Simple to Higher-order Structures</i> Invited blog post, Open Data Science Conference (ODSC) Link	Nov. 2021

- A Global Study of the Impacts of Diversity, Equity and Inclusion on Human Flourishing and Wellbeing*
Included in Grand Challenges in Human Flourishing, Templeton World Charity Foundation public database
[Link](#) **Oct. 2021**
- Quoted in "AI: Dealing with Advanced Intelligence that is Unpredictable and Inscrutable"*
Article by Dick Weisinger
[Article Link](#) **Oct. 2021**
- AI and Common Sense*
Learning More Podcast
[Link](#) **Sept. 2021**
- An AI expert explains why it's hard to give computers something you take for granted: Common sense*
The Conversation
[Article Link](#) **Aug. 2021**
Also featured in [Big Think](#), [TechXPlore](#), [Code Project Insider Daily Newsletter](#) (August 18, 2021),
[HowStuffWorks](#), [Britannica's Forum](#) (August 19, 2021), [The Next Web](#)
- Using AI and Virtual Reality/Augmented Reality to Deliver Tailored and Effective Jobs Training*
Cyrus Hodes, Niki Iliadis and **Mayank Kejriwal**
Policy Whitepaper, Day One Project
[Whitepaper Link](#) **Aug. 2021**
- The world uses one emoji more than all others. Here's why*
Charlotte Hu
Popular Science
[Article Link](#) **Jul. 2021**
- New York City or Los Angeles? Where you live says a lot about what and when you tweet*
Mayank Kejriwal
The Conversation
[Article Link](#) **Jul. 2021**
The Conversation newsletter sent on July 2, 2021
Re-posted on [Medium](#) as 'Computational social science has arrived'
San Francisco Times: [Article Link](#)
- Applying AI in the Fight Against Modern Slavery Workshop*
Computing Community Consortium / Code 8.7 Report
[Report Link](#) **Jun. 2021**
- Reclaiming my name*
Science (Working Life)
[Article Link](#) **Jun. 2021**
- Can AI Stop the Erosion of 7,000 Human Languages?*
Dataethics4all.org
[Article Link](#) **Jun. 2021**
- How Monopoly is helping create the AI of the future*
World Economic Forum
[Article Link](#) **May 2021**
- Embrace the unexpected: To Teach AI how to handle new situations, change the rules of the game*
Mayank Kejriwal
The Conversation Magazine
[Article Link](#) **Apr. 2021**
The Conversation newsletter sent on April 7, 2021
1600+ readers within 72 hours of publication, re-posted in 20+ press outlets

<p><i>Social Networks</i> Podcast on Data Skeptic Podcast Link</p>	Mar. 2021
<p><i>Mayank Kejriwal recognized for public engagement work</i> Article on USC Viterbi News Article Link</p>	Mar. 2021
<p><i>Detecting situational needs from digital messaging in real-time</i> Invited discussion article (no. FG-AI4NDM-I-012) Focus Group on AI for Natural Disaster Management, International Telecommunication Union Article Link</p>	Mar. 2021
<p><i>On Wisdom, Wealth and...Berkshire Hathaway</i> Medium Post Article Link</p>	Mar. 2021
<p><i>The Top 5 graph database advantages for enterprises</i> News Article in SearchDataManagement Article Link</p>	Feb. 2021
<p><i>Artificial Intelligence needs to be more context-aware</i> Medium Post Mentions: Year of the Graph Article Link</p>	Feb. 2021
<p><i>USC ISI Researcher Uses AI to Combat COVID-19 Under the Microsoft AI for Health Program</i> Article on USC Viterbi News Article Link</p>	Nov. 2020
<p><i>Urgent times call for urgent measures</i> Article on USC Viterbi News Article Link</p>	Oct. 2020
<p><i>Building and deploying knowledge graphs</i> Interview on the Data Exchange Podcast Podcast Link</p>	Oct. 2020
<p><i>Computer scientists tracked sophisticated money networks to learn how rich people hide fortunes offshore</i> Press article on Fast Company Article Link</p>	Oct. 2020
<p><i>The secretive networks used to move money offshore</i> News Release, EurekAlert! Article Link</p>	Sep. 2020
<p><i>Invited Panelist</i> DataEthics4All AI Summit Website</p>	Sep. 2020
<p><i>Panelist</i> Cambridge Semantics Invited Tweekchat</p>	Sep. 2020
<p><i>Want to Teach An AI Novelty? First, Teach It Monopoly. Then Throw Out the Rules</i> Article on USC Viterbi News Article Link</p>	Jul. 2020
<p><i>New Research May Help Identify Trafficking Networks</i> Article Link on Information Sciences Institute News Article Link on USC Viterbi News</p>	Aug. 2020

[Article Link](#) on TechXplore

[Article Link](#) on EurekAlert

Innovative technology for natural disasters and other crises

Article in Open Access Government

Jul. 2020

[Magazine Link](#)

Open Access News

May 2020

[Article Link](#)

Using AI & Knowledge Graphs to Understand & Historically Document COVID-19

May 2020

Establishing Your Empire Podcast

[Podcast Link](#)

IEEE Impact Creator

Apr. 2020

[Interview Link](#)

Understanding and Tackling Social Problems through Networks and AI

Mar. 2020

Interview and Podcast in Ai4.io by Jason Jepson

[Interview Link](#)

Crisis Management: Using Artificial Intelligence to help save lives

Dec. 2019

Article in *Research Outreach, Issue 111*

[Article Link](#)

Featured Post on Computing Community Consortium (CCC) Website

Nov. 2019

Co-LOD: Continuous Space Linked Open Data

[Article Link](#)

Computing Community Consortium (CCC) Blog

Nov. 2019

Great Innovative Idea: Co-LOD: Continuous Space Linked Open Data

Post by Helen Wright

[Post Link](#)

Interview

Oct. 2019

365 Data Science

[Interview Link](#)

Featured Interview

Aug. 2019

ISI quarterly newsletter

Interview

Aug. 2019

Global Big Data Conference

[Link](#)

Measuring without labels: a different approach to information extraction

Jul. 2019

SpringerOpen invited blog post

[Article Link](#)

Mayank Kejriwal, 2019 Copper Black Award winner

Jun. 2019

Press release by Mensa Foundation

[Article Link](#)

Ep 50: Artificial Intelligence – Fighting Human Trafficking

Apr. 2019

Folksalart podcast episode featuring Mayank Kejriwal

[Podcast Link](#)

myDIG: A system for building domain-specific search engines

Mar. 2019

Contributed article to encyclopedia.pub

[Entry Link](#)

<p><i>Let's embed everything!</i> Featured post on Open Data Science Article Link</p>	Feb. 2019
<p><i>Video Interview on AI for Social Good</i> Pioneer Ventures: AI Frontiers Video Link</p>	Nov. 2018
<p><i>Projects featured in SoCal DB Day talk</i> Talk by Shahram Ghandeharizadeh (USC) SoCal DB 2018 Link</p>	Oct. 2018
<p><i>Technology for Good: Fighting Human Trafficking with Artificial Intelligence</i> Invited piece written by Mayank Kejriwal IVY Magazine Article Link</p>	Aug. 2018
<p><i>Making Waves - ONDA News</i> Featured on Patron Spotlight</p>	Jul. 2018
<p><i>Fighting Human Traffickers</i> Press feature written by Lori Cameron IEEE Intelligent Systems Article Link</p>	Jun. 2018
<p><i>Breaking the Cycle of Victimization</i> Press feature written by Marc Ballon USC Viterbi Magazine Article Link</p>	Apr. 2018
<p><i>Always Lurking: Understanding and Mitigating Bias in Online Human Trafficking Detection</i> Kyle Hundman, Thamme Gowda, Mayank Kejriwal and Benedikt Boecking Poster presented at AAAI/ACM Conference on AI, Ethics and Society (AIES), 2018, held in New Orleans, Louisiana</p>	Feb. 2018
<p><i>FlagIt: A System for Minimally Supervised Human Trafficking Indicator Mining</i> Mayank Kejriwal, Jiayuan Ding, Runqi Shao, Anoop Kumar and Pedro Szekely Poster in Workshop on <i>Learning with Limited Labeled Data</i> (LLD) at NIPS 2017, held in Long Beach, California</p>	Dec. 2017
<p><i>ISI press release on winning best dissertation award</i> Article Link</p>	Aug. 2017
<p><i>Semi-automatic Data Integration using Karma</i> Mayank Kejriwal, Daniel Garijo, Yolanda Gil, Daniel Hardesty Lewis, Perry Ivan Quinto Houser, Craig Knoblock, Scott Dale Peckham, Deana Pennington, Suzanne Pierce, Zachary Stanko Abstract in American Geophysical Union (AGU) Fall 2017 meeting, New Orleans</p>	Dec. 2017
<p><i>Populating a Linked Data Entity Name System</i> Mayank Kejriwal Dissertation abstract in AI Matters</p>	Jun. 2017
<p><i>Authored piece on Semantic Web published on the AI Topics website</i> Article Link</p>	Apr. 2017
<p><i>Authored piece on Games and AI published on the AI Topics website</i> Article Link</p>	Apr. 2017
<p><i>End Human Trafficking Hackathon</i> Hackathon was featured in NY Daily News; served as mentor to students</p>	Oct. 2016
<p><i>The Summer of Data Science</i></p>	Oct. 2015

Quoted in blog post by Kristin Tolle, Director of Data Science at Microsoft Research

Populating a Linked Data Entity Name System Aug. 2015
Mayank Kejriwal, Daniel P. Miranker
 Poster at the Heidelberg Laureate Forum, held in Heidelberg, Germany

Unsupervised Instance Matching on Schema-free Linked Data Aug. 2015
Mayank Kejriwal, Daniel P. Miranker
 Poster at the National Science Foundation Data Science Workshop, held in Seattle, Washington

Minimally Supervised Instance Matching: An Alternate Approach May 2015
Mayank Kejriwal, Daniel P. Miranker
 Poster and abstract at the 12th European Semantic Web Conference, held in Portoroz, Slovenia

The Math Behind...The Web of Linked Data Mar. 2015
Mayank Kejriwal
 Poster for the SIAM: Math Matters, Apply It! program

A Sorted Neighborhood Workflow for the Semantic Web Jan. 2015
Mayank Kejriwal and Daniel P. Miranker
 Poster and abstract at the 29th Conference on Artificial Intelligence (AAAI)

On Linking Heterogeneous Dataset Collections Oct. 2014
Mayank Kejriwal and Daniel P. Miranker
 Poster and abstract at the 13th International Semantic Web Conference, held in Riva Del Garda, Italy

Populating Entity Name Systems for Big Data Integration Oct. 2014
Mayank Kejriwal and Daniel P. Miranker
 Doctoral Consortium Poster at the 13th International Semantic Web Conference, held in Riva Del Garda, Italy

An Unsupervised Algorithm for Learning Blocking Schemes Dec. 2013
Mayank Kejriwal and Daniel P. Miranker
 Poster at the 13th IEEE International Conference on Data Mining, held in Dallas, Texas

Extended Scaled Neural Predictor for Improved Branch Prediction Aug. 2013
 Zihao Zhou, **Mayank Kejriwal** and Risto Miikkulainen
 Poster at the IEEE International Conference on Neural Networks, held in Dallas, Texas

Digitization and Search: A Non-Traditional Use of HPC Oct. 2012
 Liana Diesendruck, Luigi Marini, Rob Kooper, **Mayank Kejriwal** and Kenton McHenry
 Poster and abstract at the 8th IEEE International Conference on eScience, held in Chicago, Illinois

Toward Free and Searchable Historical Census Images Sep. 2011
 Kenton McHenry, Luigi Marini, **Mayank Kejriwal**, Rob Kooper and Peter Bajcsy

- Published as an article in the Electronic Imaging & Signal Processing section by the International Society for Optics and Photonics
[Article Link](#)
- Published as a technical article in infoDOCKET
[Article Link](#)

PRE-PRINTS AND TECHNICAL REPORTS

Using conditional inference to quantify interaction effects of socio-demographic covariates of US COVID-19 vaccine hesitancy Oct. 2021
 Ke Shen, **Mayank Kejriwal**
 Preprint: <https://www.medrxiv.org/content/10.1101/2021.10.02.21264456v1>

Predicting Zip Code-Level Vaccine Hesitancy in US Metropolitan Areas Using Machine Learning Models on Public Tweets Aug. 2021
 Sara Melotte, **Mayank Kejriwal**

Preprint: <https://arxiv.org/abs/2108.01699>

A Geo-Tagged COVID-19 Twitter Dataset for 10 North American Metropolitan Areas over a 255-Day Period **May 2021**

Sara Melotte, **Mayank Kejriwal**

Preprint: <https://www.preprints.org/manuscript/202105.0411/v1>

Learning Monopoly Gameplay: A Hybrid Model-Free Deep Reinforcement Learning and Imitation Learning Approach **Apr. 2021**

Marina Haliem, Trevor Bonjour, Aala Alsalem, Shilpa Thomas, Hongyu Li, Vaneet Aggarwal, Bharat Bhargava, **Mayank Kejriwal**

Technical Report (arXiv:2103.00683)

COVID-19 vaccine hesitancy is positively associated with affective wellbeing **Mar. 2021**

Mayank Kejriwal, Ke Shen

Preprint on PsyArXiv: <https://doi.org/10.31234/osf.io/nkvhs>

Affective Correlates of Metropolitan Food Insecurity and Misery during COVID-19 **Mar. 2021**

Mayank Kejriwal, Ke Shen

Preprint on PsyArXiv: <https://doi.org/10.31234/osf.io/6zxfe>

A Data-Driven Study of Commonsense Knowledge using the ConceptNet Knowledge Base **Dec. 2020**

Ke Shen, **Mayank Kejriwal**

Technical Report (arXiv:2011.14084)

Do Fine-tuned Commonsense Language Models Really Generalize? **Dec. 2020**

Mayank Kejriwal, Ke Shen

Technical Report (arXiv:2011.09159)

An Experimental Study of the Effects of Position Bias on Emotion Cause Extraction **Jul. 2020**

Jiayuan Ding, **Mayank Kejriwal**

Technical Report (arXiv: 2007.15066)

On using Product-Specific Schema.org from Web Data Commons: An Empirical Set of Best Practices **Jul. 2020**

Ravi Kiran Selvam, **Mayank Kejriwal**

Technical Report (arXiv: 2007.13829)

A Pipeline for Post-Crisis Twitter Data Acquisition **Jan. 2018**

Mayank Kejriwal, Yao Gu

Technical Report (arXiv: 1801.05881)

Unsupervised Hashtag Retrieval and Visualization for Crisis Informatics **Jan. 2018**

Yao Gu, **Mayank Kejriwal**

Technical Report (arXiv: 1801.05906)

FlagIt: A System for Minimally Supervised Human Trafficking Indicator Mining **Dec. 2017**

Mayank Kejriwal, Jiayuan Ding, Runqi Shao, Anoop Kumar and Pedro Szekely

Technical Report (arXiv: 1712.03086)

Predicting Role Relevance with Minimal Domain Expertise in a Financial Domain **Apr. 2017**

Mayank Kejriwal

Technical Report (arXiv:1704.05571)

Using Contexts and Constraints for Improved Geotagging of Human Trafficking Webpages **Apr. 2017**

Rahul Kapoor, **Mayank Kejriwal** and Pedro Szekely

Technical Report (arXiv:1704.05569)

Supervised Typing of Big Graphs using Semantic Embeddings **Mar. 2017**

Mayank Kejriwal and Pedro Szekely

Technical Report (arXiv:1703.07805)

Information Extraction in Illicit Domains **Mar. 2017**

Mayank Kejriwal and Pedro Szekely

Technical Report (arXiv:1703.03097)

Experience: Type alignment on DBpedia and Freebase

Mayank Kejriwal and Daniel P. Miranker

Technical Report (arXiv:1608.04442)

Aug. 2016

Self-contained NoSQL Resources for Cross-Domain RDF

Mayank Kejriwal and Daniel P. Miranker

Technical Report (arXiv:1608.04437)

Aug. 2016

On the Complexity of Sorted Neighborhood

Mayank Kejriwal and Daniel P. Miranker

Technical Report (arXiv:1501.01696)

Jan. 2015

A DNF Blocking Scheme Learner for Heterogeneous Datasets

Mayank Kejriwal and Daniel P. Miranker

Technical Report (arXiv:1501.01694)

Jan. 2015

N-Way Heterogeneous Blocking

Mayank Kejriwal and Daniel P. Miranker

Regular Technical Report (TR-14-06), University of Texas at Austin

Feb. 2014

TALKS

Graph Representation Learning: From Simple to Higher-order Structures

Invited talk at Open Data Science Conference (ODSC-West) in San Francisco, California

Nov. 2021

A Feasibility Study of Open-Source Sentiment Analysis and Text Classification Systems on Disaster-Specific Social Media Data

Mayank Kejriwal, Ge Fang and Ying Zhou

Oral presentation at the IEEE Symposium Series on Computational Intelligence (SSCI)

Dec. 2021

Domain-Specific Knowledge Graph Construction for Enabling Seamless AI Applications in the Environmental Sciences

Oral presentation, Session on Seamless AI Systems

3rd NOAA Workshop on Leveraging AI in Environmental Sciences

Sep. 2021

Artificial General Intelligence

Invited talk at SAP Inspiration Sessions Community

Sep. 2021

Entity Resolution on Web-scale Knowledge Graphs

Invited guest lecture at Stanford CS520 seminar course on knowledge graphs

Apr. 2021

Detecting situational needs from digital messaging in real-time

Invited Talk at 1st Virtual Meeting of the ITU Focus Group on AI for Natural Disaster Management

Mar. 2021

Understanding COVID-19 through Social Media and Survey Data

Internal Talk at Microsoft

Mar. 2021

Information Extraction and Entity Resolution for Knowledge Graphs

Invited Talk at Kharon

Mar. 2021

Generating Novelty in Open-World Multi-Agent Environments

NeurIPS Conference

Dec. 2020

Knowledge Graphs for Search and Enterprise

Invited virtual talk at Kaiser Permanente

Dec. 2020

Locally Constructing Product Taxonomies from Scratch Using Representation Learning

IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining

Dec. 2020

<i>Knowledge Graphs: The Frontier</i> Knowledge Connexions 2020	Dec. 2020
<i>AI, Knowledge Graphs and COVID-19: The Journey so Far</i> Invited 'Hot Topic' Speaker, IDEAS Global AI Conference	Oct. 2020
<i>Knowledge Graphs and COVID-19: An Overview</i> Guest Speaker, ISE 651 (Epstein Seminar)	Oct. 2020
<i>Knowledge Graphs: The Who, What, Where, When, Why, How</i> Invited webinar, IDEAS	Apr. 2020
<i>Using Artificial Intelligence to assist law enforcement to crack down on human trafficking</i> Keynote talk at the Telesign and Data Skeptic Meetup in Marina del Rey, California	Feb. 2020
<i>Fighting Child Sex Trafficking with Artificial Intelligence</i> Keston talk at the ISI institute-wide retreat in Redondo Beach, California	Jan. 2020
<i>Fighting Human Trafficking with Technology</i> Invited talk at the National University for Juridical Sciences (NUJS) in Kolkata, India	Dec. 2019
<i>Knowledge Graphs: An Accessible and Applied Overview</i> Invited talk at Purdue University in West Lafayette, Indiana	Nov. 2019
<i>EMI: Embed, Measure and Iterate</i> Invited talk at Open Data Science Conference (ODSC-West) in San Francisco, California	Nov. 2019
<i>Artificial Intelligence</i> Invited outreach talk at the California Institution for Men in Chino, California	Nov. 2019
<i>Is a Knowledge Graph right for me?</i> Invited talk at the IDEAS Southern California Conference held in Los Angeles, California	Oct. 2019
<i>AI, Networks and Society</i> Invited Micro-seminar at the USC Annenberg School of Communication	Sep. 2019
<i>Executive Briefing: An Age of Embeddings</i> Invited talk at O'Reilly AI Conference in San Jose, California	Sep. 2019
<i>Low-supervision urgency detection and transfer in short crisis messages</i> The IEEE/ACM ASONAM Conference in Vancouver, Canada	Aug. 2019
<i>Concept Drift in Bias and Sensationalism Detection: An Experimental Study</i> The IEEE/ACM ASONAM Conference in Vancouver, Canada	Aug. 2019
<i>Why should I build a knowledge graph?</i> Invited talk at the Global Big Data Conference, San Jose	Aug. 2019
<i>Data Science Education</i> Invited talk at the Data Science Conference, Boston	May 2019
<i>Applying Noisy Knowledge Graphs to Real Problems</i> Invited talk at the DataWorks Summit, Washington, DC	May 2019
<i>Let's embed everything!</i> Invited talk at ODSC East, Boston	May 2019
<i>Fighting Human Trafficking with AI</i> Invited talk at Texas AI Summit	Jan. 2019

<i>Let's embed everything!</i> Invited talk at Data Day Texas	Jan. 2019
<i>Behavioral Interview Seminar for Graduate Students</i> USC Information Sciences Institute	Nov. 2018
<i>Applying Noisy Knowledge Graphs to Real Problems</i> Invited talk at Home Depot in Atlanta, Georgia	Nov. 2018
<i>Knowledge Graphs: A Lingua Franca for Humans and Machines?</i> Invited workshop talk at Open Data Science Conference (ODSC-West) in San Francisco, California	Nov. 2018
<i>Structured Event Entity Resolution in Humanitarian Domains</i> The 17 th International Semantic Web Conference, held in Monterrey, California	Oct. 2018
<i>Fighting Human Trafficking with AI</i> Invited talk at O'Reilly AI Conference in San Francisco, California	Sep. 2018
<i>Technology-assisted Investigative Search: A Case Study from an Illicit Domain</i> Talk at the ACM CHI Conference on Human Factors in Computing Systems in Montreal, Canada	Apr. 2018
<i>Building Knowledge Graphs for Social Good</i> Spring Seminar Series, USC Center for Artificial Intelligence in Society (CAIS)	Mar. 2018
<i>The Many Face(t)s of Knowledge Graphs: In Vivo vs. In Vitro</i> Research Breakfast Seminar Series, USC Information Sciences Institute	Feb. 2018
<i>Building Advanced Search and Analytics Engines over Arbitrary Domains...Without a Data Scientist</i> Invited speaker at Data Day Texas	Jan. 2018
<i>Building Domain-specific Search Engines for Investigative Decision Support</i> Invited seminar presentation: USC Department of Industrial and Systems Engineering	Jan. 2018
<i>On the Future of the Semantic Web</i> Invited presentation at the Digital Turn in Comparative Constitutionalism Workshop, held in Hannover, Germany	Dec. 2017
<i>Neural Embeddings for Populated Geonames Locations</i> International Semantic Web Conference, held in Vienna, Austria	Oct. 2017
<i>An Investigative Search Engine for the Human Trafficking Domain</i> International Semantic Web Conference, held in Vienna, Austria	Oct. 2017
<i>From Noisy Information Extraction to Rich Information Retrieval in Unusual Domains</i> NLP Seminar, USC Information Sciences Institute	Jun. 2017
<i>Predicting Role Relevance with Minimal Domain Expertise in a Financial Domain</i> DSMM Workshop at ACM SIGMOD, 2017, held in Chicago, Illinois	May 2017
<i>Using Contexts and Constraints for Improved Geotagging of Human Trafficking Webpages</i> GeoRich Workshop at ACM SIGMOD, 2017, held in Chicago, Illinois	May 2017
<i>Populating a Linked Data Entity Name System</i> Ph.D. Final Defense, University of Texas at Austin Committee: Daniel P. Miranker (chair), Raymond Mooney, Joydeep Ghosh, Risto Miikkulainen and Eric Price	Apr. 2016
<i>Populating a Linked Data Entity Name System</i> AI Seminar: Interview Talk USC Information Sciences Institute	Apr. 2016

<i>Decision-making Bias in Instance Matching Model Selection</i> The 14 th International Semantic Web Conference, held in Bethlehem, Pennsylvania	Oct. 2015
<i>Sorted Neighborhood for Schema-free RDF Data</i> The 4 th Knowledge Discovery and Data Mining meets Linked Open Data workshop, The 12 th European Semantic Web Conference, held in Portoroz, Slovenia	May 2015
<i>Semi-supervised Instance Matching using Boosted Classifiers</i> The 12 th European Semantic Web Conference, held in Portoroz, Slovenia	May 2015
<i>Entity Resolution in a Big Data Framework</i> Doctoral consortium, the 29 th Conference on Artificial Intelligence (AAAI)	Jan. 2015
<i>Populating a Linked Data-based Entity Name System</i> Ph.D. Oral Proposal, University of Texas at Austin Committee: Daniel P. Miranker (chair), Raymond Mooney, Joydeep Ghosh, Risto Miikkulainen and Eric Price	Nov. 2014
<i>Populating Entity Name Systems for Big Data Integration</i> The 13 th International Semantic Web Conference, held in Riva Del Garda, Italy	Oct. 2014
<i>A Two-Step Blocking Scheme Learner for Scalable Link Discovery</i> The 9 th International Workshop on Ontology Matching at the 13 th International Semantic Web Conference, held in Riva Del Garda, Italy	Oct. 2014
<i>Populating an Entity Name System</i> Research Preparation Exam, University of Texas at Austin Committee: Daniel P. Miranker (chair), Greg Plaxton and Pradeep Ravikumar	Mar. 2014
<i>An Unsupervised Algorithm for Learning Blocking Schemes</i> The 13 th IEEE International Conference on Data Mining, held in Dallas, Texas	Dec. 2013
<i>Machine Learning Techniques for Offline Handwriting Transcription</i> Undergraduate honors thesis presentation at the University of Illinois at Urbana-Champaign	Dec. 2012