LUCY LU WANG

Curriculum vitae

Phone: +1 (443) 824-9725
Email: lucylw@uw.edu
Website: https://llwang.net

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APPOINTMENTS

University of Washington, Seattle, WA, USA

Sep 2022— Assistant Professor, Information School
Sep 2022— Adjunct Assistant Professor, Paul G. Allen School of Computer Science & Engineering
Dec 2022— Adjunct Assistant Professor, Department of Biomedical Informatics & Medical Education
Feb 2024— Adjunct Assistant Professor, Department of Human Centered Design & Engineering

The Allen Institute for Artificial Intelligence (AI2), Seattle, WA, USA

Sep 2022— Visiting Scientist, Semantic Scholar Research
Apr 2019—Aug 2022 Young Investigator, Semantic Scholar Research

EDUCATION

2019 PhD, Biomedical Informatics and Medical Education
University of Washington, Seattle, WA, USA

2013 MS, Applied Biomedical Engineering
The Johns Hopkins University, Baltimore, MD, USA

2009 BS, Physics
Massachusetts Institute of Technology, Cambridge, MA, USA

PUBLICATIONS

Note re: publication norms: In *computer science* and *information science*, publishing mostly occurs in conference and workshop proceedings, and occasionally in journals. Within the subfield of natural language processing, the ACL conferences (ACL, EMNLP, NAACL, EACL, COLING etc) and associated journals are high-impact venues, with acceptance rates around 20-25%. For Human-AI work, the HCI conferences (CHI, ASSETS, IUI, CSCW etc) and associated journals are high-impact venues, with acceptance rates around 20-27%. In *health informatics*, publishing occurs in a mixture of journals, e.g., Briefings in Bioinformatics (IF: 8.99), Journal of Biomedical Informatics (IF: 6.32), Journal of the American Medical Informatics Association (IF: 4.11); and conferences, e.g., AMIA Symposium (~50% accept rate), ISMB (~20% accept rate), ML4H (20-25% accept rate).

** Indicates equal contribution*

Papers in Submission

2024 Chao-chun Hsu, Erin Bransom, Jenna Sparks, Bailey Kuehl, Chenhao Tan, David Wadden, **Lucy Lu Wang**, Aakanksha Naik. CHIME: LLM-Assisted Hierarchical Organization of Scientific Studies for Literature Review Support. *In submission.*

2024 Bingbing Wen, Bill Howe, **Lucy Lu Wang**. Characterizing LLM Abstention Behavior in Science QA with Context Perturbations. *In submission.*

2024 John Giorgi, **Lucy Lu Wang**, Sergey Feldman, Doug Downey. TOPICAL: Topic Pages Automagically. *In submission.*

2024 Maria Antoniak, Aakanksha Naik, Carla Alvarado, **Lucy Lu Wang**, Irene Chen. NLP for Maternal Healthcare: Perspectives and Guiding Principles in the Age of LLMs. *arXiv: 2312.11803. In submission.*

2024 Hancheng Cao, Jesse Dodge, Kyle Lo, Daniel A. McFarland, **Lucy Lu Wang**. The Rise of Open Science: Tracking the Evolution and Perceived Value of Data and Methods Link-Sharing Practices. *arXiv: 2310.03193. In submission.*

2024 Katelyn Mei, Rock Pang, Alex Lyford, **Lucy Lu Wang**, Katharina Reinecke. Demographics, Domain Knowledge, and Decision-Making Patterns: The Impact of Individual Differences on Human-AI Collaboration. *In submission.*

2023 Yue Guo, Joseph Chee Chang, Maria Antonio, Erin Branson, Trevor Cohen, **Lucy Lu Wang**, Tal August. Personalized Jargon Identification for Enhanced Interdisciplinary Communication. *arXiv: 2311.09481. In submission.*

2023 Yue Guo, Tal August, Gondy Leroy, Trevor Cohen, **Lucy Lu Wang**. APPLS: A Meta-evaluation Testbed for Plain Language Summarization. *arXiv: 2305.14341. In submission.*

2023 Brian Hur, **Lucy Lu Wang**, Laura Hardefeldt, Meliha Yetisgen. Is That the Right Dose? Investigating Generative Language Model Performance on Veterinary Prescription Text Analysis. *In submission.*

Peer-reviewed Conference Papers

2024 Donghoon Shin, **Lucy Lu Wang**, Gary Hsieh. From Paper to Card: Transforming Design Implications with Generative AI. To appear in: *ACM CHI conference on Human Factors in Computing Systems.* Demo available at: https://paper2card.com/

2024 Nikhil Singh, **Lucy Lu Wang**, Jonathan Bragg. FigurA11y: AI assistance for writing scientific alt text. To appear in: *ACM Conference on Intelligent User Interfaces (IUI).*

2023 John Giorgi, Luca Soldaini, Bo Wang, Gary Bader, Kyle Lo, **Lucy Lu Wang**, Arman Cohan. Open domain multi-document summarization: a comprehensive study of model brittleness under retrieval. *arXiv: 2212.10526. EMNLP Findings 2023.*

2023 **Lucy Lu Wang**, Yulia Otmakhova, Jay DeYoung, Thinh Hung Truong, Bailey E Kuehl, Erin Bransom, Byron C Wallace. Automated metrics for medical multi-document summarization disagree with human evaluations. *arXiv: 2305.13693. ACL 2023.*

2022 David Wadden, Kyle Lo, Bailey Kuehl, Arman Cohan, Iz Beltagy, **Lucy Lu Wang**, Hannah Hajishirzi. SciFact-OPEN: Towards Open-domain Scientific Claim Verification. *arXiv: 2210.13777. EMNLP Findings 2022.*

2022 Sanjana Chintalapati, Jonathan Bragg, **Lucy Lu Wang**. A Dataset of Alt Texts from HCI Publications: Analyses and Uses Towards Producing More Descriptive Alt Texts of Data Visualizations in Scientific Papers. *arXiv: 2209.13718. ASSETS 2022.*

2022 David Wadden, Kyle Lo, **Lucy Lu Wang**, Arman Cohan, Iz Beltagy, Hannah Hajishirzi. MultiVerS: Improving scientific claim verification with weak supervision and full-document context. *arXiv: 2112.01640. NAACL Findings 2022.*

2022 Aakanksha Naik, Sravanthi Parasa, Sergey Feldman, **Lucy Lu Wang**, Tom Hope. Literature-Augmented Clinical Outcome Prediction. *arXiv: 2111.08374. NAACL Findings 2022.*

2022 Dustin Wright, David Wadden, Kyle Lo, Bailey Kuehl, Arman Cohan, Isabelle Augenstein, **Lucy Lu Wang**. Generating scientific claims for automated scientific fact checking. *arXiv: 2203.12990. ACL 2022.*

2021 Jay DeYoung, Iz Beltagy, Madeleine van Zuylen, Bailey Kuehl, **Lucy Lu Wang**. MS^2: Multi-document summarization of medical studies. *arXiv: 2104.06486. EMNLP 2021.*

2021 Kelly Mack, Emma McDonnell, Dhruv Jain, **Lucy Lu Wang**, Jon E. Froehlich, Leah Findlater. What do we mean by 'Accessibility Research'? A literature survey of accessibility papers in CHI and ASSETS from 1994 to 2019. *arXiv: 2101.04271. CHI 2021.* ****Best Paper Honorable Mention**

2020 David Wadden, Shanchuan Lin, Kyle Lo, **Lucy Lu Wang**, Madeleine van Zuylen, Arman Cohan, Hannaneh Hajishirzi. Fact or fiction: verifying scientific claims. *arXiv: 2004.14974. EMNLP 2020.*

2020 Sanjay Subramanian, **Lucy Lu Wang**, Ben Bogin, Sachin Mehta, Madeleine van Zuylen, Sravanthi Parasa, Sameer Singh, Matt Gardner, Hannaneh Hajishirzi. MedICaT: a dataset of medical images, captions, and textual references. *arXiv: 2010.06000. EMNLP Findings 2020.*

2020 Kyle Lo*, **Lucy Lu Wang***, Mark Neumann, Rodney Kinney, Daniel S Weld. S2ORC: the Semantic Scholar open research corpus. *arXiv: 1911.02782. ACL 2020.*

2018 Waleed Ammar, Dirk Groeneveld, Chandra Bhagavatula, Iz Beltagy, Miles Crawford, Doug Downey, Jason Dunkelberger, Ahmed Elgohary, Sergey Feldman, Vu Ha, Rodney Kinney, Sebastian Kohlmeier, Kyle Lo, Tyler Murray, Hsu-Han Ooi, Matthew Peters, Joanna Power, Sam Skjonsberg, **Lucy**

Lu Wang, Chris Wilhelm, Zheng Yuan, Madeleine van Zuylen, Oren Etzioni. Construction of the literature graph in Semantic Scholar. *arXiv: 1805.02262. NAACL 2018.*

2017 **Lucy Lu Wang**, John H Gennari. Similarity metrics for determining overlap among biological pathways. *ICBO 2017.*

2016 Hyunggu Jung, Anthony Law, Eli Grunblatt, **Lucy Lu Wang**, Aaron Kusano, Jose LV Mejino Jr, Mark E Whipple. Development of a novel Markov chain model for the prediction of head and neck squamous cell carcinoma dissemination. *AMIA 2016.*

2016 **Lucy Lu Wang**, John H Gennari, Neil F Abernethy. An analysis of differences in biological pathway resources. *ICBO and BioCreative 2016.*

2015 **Lucy Lu Wang**, Eli Grunblatt, Hyunggu Jung, Ira J Kalet, Mark E Whipple. Biological model development as an opportunity to provide content auditing for the Foundational Model of Anatomy ontology. *AMIA 2015.*

Peer-reviewed Journal Papers

2024 Kyle Lo, Joseph Chee Chang, Andrew Head, Jonathan Bragg, Amy X Zhang, Cassidy Trier et al. The Semantic Reader Project: Augmenting Scholarly Documents through AI-Powered Interactive Reading Interfaces. *arXiv: 2303.14334.* To appear in: *Communications of the ACM.*

2023 Tal August, **Lucy Lu Wang**, Jonathan Bragg, Marti Hearst, Andrew Head, Kyle Lo. Paper Plain: Making medical research papers approachable to healthcare consumers with natural language processing. *arXiv: 2203.00130. ACM Transactions on Computer-Human Interaction (TOCHI).*

2022 Travis Goodwin, Dina Demner-Fushman, Kyle Lo, **Lucy Lu Wang**, Hoa Dang, and Ian Soboroff. Automatic Question Answering for Multiple Stakeholders: the Epidemic Question Answering Dataset. *Nature Scientific Data.*

2022 Michael Cafarella, Michael Anderson, Iz Beltagy, Arie Cattan, Sarah Chasins, Ido Dagan, Doug Downey, Oren Etzioni, Sergey Feldman, Tian Gao, Tom Hope, Kexin Huang, Sophie Johnson, Daniel King, Kyle Lo, Yuze Lou, Matthew Shapiro, Dinghao Shen, Shivashankar Subramanian, **Lucy Lu Wang**, Yuning Wang, Yitong Wang, Daniel S. Weld, Jenny Vo-Phamhi, Anna Zeng, Jiayun Zou. Infrastructure for rapid open knowledge network development. *AI Magazine.*

2022 Zejiang Shen, Kyle Lo, **Lucy Lu Wang**, Bailey Kuehl, Daniel S Weld, Doug Downey. VILA: Improving structured content extraction from scientific PDF using visual layout groups. *arXiv: 2106.00676. Transactions of the ACL (TACL).*

2021 Kirk Roberts, Tasmeer Alam, Steven Bedrick, Dina Demner-Fushman, Kyle Lo, Ian Soboroff, Ellen Voorhees, **Lucy Lu Wang**, William R Hersh. Searching for scientific evidence in a pandemic: an overview of TREC-COVID. *arXiv: 2104.09632. Journal of Biomedical Informatics.*

2021 Farshad Firouzi, Bahar Farahani, Mahmoud Daneshmand, Kathy Grise, Jaeseung Song, Roberto Saracco, **Lucy Lu Wang**, Kyle Lo, Plamen Angelov, Eduardo Soares et al. Harnessing the Power of Smart and Connected Health to Tackle COVID-19: IoT, AI, Robotics, and Blockchain for a Better World. *IEEE Internet of Things.*

2021 **Lucy Lu Wang**, Gabriel Stanovsky, Luca Weihs, Oren Etzioni. Gender trends in computer science authorship. *arXiv:1906.07883. Communications of the ACM.*

2020 **Lucy Lu Wang** and Kyle Lo. Text mining approaches for dealing with the rapidly expanding literature on COVID-19. *Briefings in Bioinformatics.*

2020 Anshul Kanakia, Kuansan Wang, Yuxiao Dong, Boya Xie, Kyle Lo, Zhihong Shen, **Lucy Lu Wang**, Chiyuan Huang, Darrin Eide, Sebastian Kohlmeier, Chieh-Han Wu. Mitigating biases in CORD-19 for analyzing COVID-19 literature. *Frontiers in Research Metrics and Analytics.*

2020 Edison Ong*, **Lucy Lu Wang***, Jennifer Schaub, John F. O'Toole, Becky Steck, ..., Jonathan Himmelfarb, Ravi Iyengar, Matthias Kretzler, Sean Mooney, Yongqun He & Kidney Precision Medicine Project. Modelling kidney disease using ontology: insights from the Kidney Precision Medicine Project. *Nature Reviews Nephrology.*

2020 Kirk Roberts, Tasmeer Alam, Steven Bedrick, Dina Demner-Fushman, Kyle Lo, Ian Soboroff, Ellen Voorhees, **Lucy Lu Wang**, William R Hersh. TREC-COVID: rationale and structure of an information retrieval shared task for COVID-19. *Journal of the American Medical Informatics Association.*

2019 **Lucy Lu Wang**, G. Thomas Hayman, Jennifer R. Smith, Monika Tutaj, Mary E. Shimoyama, John H. Gennari. Predicting instances of Pathway Ontology classes for pathway integration. *Journal of Biomedical Semantics.*

2017 David A Kaminsky, **Lucy Lu Wang**, Jason HT Bates, Cindy Thamrin, David M Shade, Anne E Dixon, Robert A Wise, Stephen Peters, Charles G Irvin. Fluctuation analysis of peak expiratory flow and its associations with treatment failure in asthma. *American Journal of Respiratory and Critical Care Medicine.*

2015 Craig M Zaidman, **Lucy Lu Wang**, Anne M Connolly, Julaine Florence, Brenda L Wong, Julie A Parsons, Susan Apkon, Namita Goyal, Eugene Williams, Diana Escolar, Seward B Rutkove, Jose L Bohorquez, DART-EIM Clinical Evaluators Consortium. Electrical impedance myography in Duchenne muscular dystrophy and health controls: a multi-center study of reliability and validity. *Muscle & Nerve,* 2015.

2011 **Lucy Lu Wang**, Andrew J Spieker, Jia Li, Seward B Rutkove. Electrical impedance myography for monitoring motor neuron loss in the SOD1 G93A amyotrophic lateral sclerosis rat. *Clinical Neurophysiology,* 2011.

2011 **Lucy Lu Wang**, Mohammad Ahad, Alistair McEwan, Jia Li, Mina Jafarpoor, Seward B Rutkove. Assessment of alterations in the electrical impedance of muscle after experimental nerve injury via finite-element analysis. *IEEE Transactions on Biomedical Engineering*, 2011.

Peer-reviewed Demo Papers

2021 **Lucy Lu Wang***, Isabel Cachola*, Jonathan Bragg, Evie Cheng, Chelsea Haupt, Matt Latzke, Bailey Kuehl, Madeleine van Zuylen, Linda Wagner, Daniel S Weld. SciA11y: Converting scientific papers to accessible HTML. *ASSETS 2021.* Demo available at: https://papertohtml.org/ ****Best Artifact Award**

2020 **Lucy Lu Wang**, Oyvind Tafjord, Arman Cohan, Sarthak Jain, Sam Skjonsberg, Carissa Schoenick, Nick Botner, Waleed Ammar. SUPP.AI: finding evidence for supplement-drug interactions. *arXiv: 1909.08135. ACL Demo 2020.* Demo available at: https://supp.ai/

Peer-reviewed Workshop Papers

2020 **Lucy Lu Wang***, Kyle Lo*, Yoganand Chandrasekhar, Russell Reas, Jiangjiang Yang, Doug Burdick, Darrin Eide, Kathryn Funk, Yannis Katsis, Rodney Michael Kinney, Yunyao Li, Ziyang Liu, William Merrill, Paul Mooney, Dewey A. Murdick, Devvret Rishi, Jerry Sheehan, Zhihong Shen, Brandon Stilson, Alex D. Wade, Kuansan Wang, Nancy Xin Ru Wang, Christopher Wilhelm, Boya Xie, Douglas M. Raymond, Daniel S. Weld, Oren Etzioni, Sebastian Kohlmeier. CORD-19: the COVID-19 open research dataset. *arXiv: 2004.10706. NLP-COVID at ACL 2020.*

2018 **Lucy Lu Wang**, Chandra Bhagavatula, Mark Neumann, Kyle Lo, Chris Wilhelm, Waleed Ammar. Ontology alignment in the biomedical domain using entity definitions and context. *arXiv: 1806.07976. BioNLP at ACL 2018.*

Extended Abstracts (Lightly Peer-reviewed)

2023 Hancheng Cao, Jesse Dodge, Kyle Lo, Daniel McFarland, **Lucy Lu Wang**. Measuring the Prevalence and Downstream Impact of Data and Method Sharing in arXiv Preprints. *2nd Annual International Conference on the Science of Science and Innovation (ICSSI 2023).*

2022 Aakanksha Naik, Sravanthi Parasa, Sergey Feldman, **Lucy Lu Wang**, Tom Hope. Literature-Augmented Clinical Outcome Prediction. *Machine Learning for Health (ML4H) at NeurIPS 2022.*

2021 **Lucy Lu Wang**, Kelly Mack, Emma J McDonnell, Dhruv Jain, Leah Findlater, Jon E Froehlich. A bibliometric analysis of citation diversity in accessibility and HCI research. *arXiv: 2103.06989. CHI Extended Abstracts 2021.*

2019 **Lucy Lu Wang**, Oyvind Tafjord, Arman Cohan, Sarthak Jain, Sam Skjonsberg, Carissa Schoenick, Nick Botner, Waleed Ammar. Extracting evidence of supplement-drug interactions from literature. *Machine Learning for Health (ML4H) at NeurIPS 2019.*

Preprints (Not Peer-reviewed)

2023 Rodney Kinney, Chloe Anastasiades, Russell Authur, Iz Beltagy, Jonathan Bragg, Alexandra Buraczynski et al. The Semantic Scholar Open Data Platform. *arXiv: 2301.10140.*

2021 **Lucy Lu Wang***, Isabel Cachola*, Jonathan Bragg, Evie Cheng, Chelsea Haupt, Matt Latzke, Bailey Kuehl, Madeleine van Zuylen, Linda Wagner, Daniel S Weld. Improving the accessibility of scientific documents: current state, user needs, and a system solution to enhance scientific PDF accessibility for blind and low vision users. *arXiv: 2105.00076.*

2018 **Lucy Lu Wang**, Huaiying Lin, Xiaojun Bao, Subhajit Sengupta, Ben Busby, Robert R Butler III. PhenotypeXpression: sub-classification of disease states using public gene expression data and literature. *bioRxiv: 10.1101/461301.*

Book Contributions

2023 **Lucy Lu Wang**. "Using Machine Learning to Verify Scientific Claims." *Artificial Intelligence in Science: Challenges, Opportunities and the Future of Research.* OECD.

Non-Peer-reviewed Scholarly Writing

2024 Halil Kilicoglu, Faezeh Ensan, Bridget Thomson-McInnes, **Lucy Lu Wang**. Guest editorial: Semantics-enabled Biomedical Literature Analytics. *Journal of Biomedical Informatics.*

2023 Maria Antonio, Aakanksha Nail, Irene Y. Chen, **Lucy Lu Wang**, Carla S. Alvarado. Foundations of Responsible NLP Use for Maternal Health Equity. AAMC Center for Health Justice. Available at: https://www.aamchealthjustice.org/our-work/maternal-health-equity/foundations-nlp

2022 **Lucy Lu Wang**, Jonathan Bragg, Daniel S. Weld. Paper to HTML: A publicly available web tool for converting scientific PDFs into accessible HTML. *SIGACCESS Newsletter*, Issue 134.

2022 **Lucy Lu Wang**, Jay DeYoung, Byron Wallace. Overview of MSLR2022: A shared task on multi-document summarization for literature reviews. *SDP at COLING 2022.*

2022 Arman Cohan, Guy Feigenblat, Dayne Freitag, Tirthankar Ghosal, Drahomira Herrmannova, Petr Knoth, Kyle Lo, Philipp Mayr, Michal Shmueli-Scheuer, Anita de Waard, **Lucy Lu Wang**. Overview of the Third Workshop on Scholarly Document Processing at COLING 2022. *SDP at COLING 2022.*

2021 Iz Beltagy, Arman Cohan, Guy Feigenblat, Dayne Freitag, Tirthankar Ghosal, Keith Hall, Drahomira Herrmannova, Petr Knoth, Kyle Lo, Philipp Mayr, Robert M. Patton, Michal Shmueli-Scheuer, Anita de Waard, Kuansan Wang, **Lucy Lu Wang**. Overview of the Second Workshop on Scholarly Document Processing at NAACL 2021. *SDP at NAACL 2021.*

2020 Travis R Goodwin, Dina Demner-Fushman, Kyle Lo, **Lucy Lu Wang**, William R Hersh, Hao T Dang, Ian M Soboroff. Overview of the 2020 Epidemic Question Answering Track. *TAC 2020.*

2020 Ellen Voorhees, Tasmeer Alam, Steven Bedrick, Dina Demner-Fushman, William R Hersh, Kyle Lo, Kirk Roberts, Ian Soboroff, **Lucy Lu Wang**. TREC-COVID: Constructing a Pandemic Information Retrieval Test Collection. *arXiv: 2104.09632. SIGIR Forum.*

Theses

2019 **Lucy Lu Wang.** Ontology-driven pathway data integration. PhD Dissertation: Department of Biomedical Informatics and Medical Education, University of Washington, Seattle, WA. Advised by John Gennari (Chair), Neil Abernethy, Paul K Crane, and Ali Shojaie (GSR).

2013 **Lucy Lu Wang**. Matching Pursuit for Detecting Epileptic Response in EEG Following Photic Stimulation. Masters Thesis: Department of Biomedical Engineering, Johns Hopkins University, Baltimore, MD. Advised by David Sherman.

GRANTS & GIFTS

2023 [PI] UW eScience Azure Cloud Credits for Research and Teaching, $10,000 Azure credits
"Improving STEM Document Accessibility for Blind and Low Vision Readers Through Human-AI Collaboration"

2023 [Co-PI] Microsoft Accelerate Foundation Models Research Program, $20,000 Azure OpenAI credits
"Using generative AI to accelerate the translation of research insights into design practice."

2023 [Co-PI] Center for an Informed Public Innovation Fund, $24,950
"Designing for credibility: improving the use of generative AI for science communication"

2023 [Co-PI] Institute for Medical Data Science Pilot Award, $40,000 + $20,000 cloud credits
"Using machine learning to optimize prediction of extubation failure and clinical action"

2022 [PI] UW iSchool Strategic Research Fund, $18,118
"AI-assisted clinical trial risk of bias assessment"

2022 Research Gift, Allen Institute for AI, $100,000
"Synthesizing evidence for personalized biomedical information seeking"

2018 UW Student Technology Grant, $88,426
University of Washington Student Technology Fee Committee
"Secure student computing environments for translational health and data science"

FELLOWSHIPS & AWARDS

2021 ASSETS Best Artifact Award

2021 AI2 Hackathon Common Good Award

2021 CHI Best Paper: Honorable Mention

2019 AI2 Hackathon Overall Winner and Audience Choice Award

2014—2018 National Library of Medicine Informatics Training Fellowship

2016 BioCreative/ICBO Travel Fellowship

2015 UW Graduate School Fund for Excellence and Innovation Travel Award

INVITED TALKS & PANELS

2024 [Invited Talk] "AI-assisted health information extraction and summarization." American Association of Pediatric Hematology-Oncology (ASPHO) Informatics, Innovation & Entrepreneurship-Special Interest Group (IIE-SIG). Seattle, WA. 2024 Apr 5.

2023 [Invited Talk] "Generative AI for Translational Scholarly Communication." Hong Kong University of Science and Technology Library. Online. 2023 Nov 22.

2023 [Invited Talk] "Improving the Accessibility of Scholarly Communication." Universidade Estadual de Campinas (Unicamp) Computer Science Seminar. Online. 2023 Nov 10.

2023 [Invited Talk] "Generative AI for Translational Scholarly Communication." SAUL-RSTF Webinar, NUS Libraries. Online. 2023 Nov 1.

2023 [Keynote] "Taking and Giving Back: Open Access, Generative AI, and the Transformation of Scholarly Communication." OA Week, Indiana University Bloomington. Bloomington, IL. 2023 Oct 27.

2023 [Panelist] "AI in Scholarly Communications: Where We Are and Where We're Going." FORCE11 Scholarly Communication Institute (FSCI) Conference. Online. 2023 August 4.

2023 [Panelist] "6 Years of FEVER Workshops - How Far Have We Come?" The Sixth Workshop on Fact Extraction and Verification (FEVER) at EACL. Dubrovnik, Croatia. 2023 May 5.

2023 [Invited Talk] "Can Scientific Claim Verification Help Us Do Better Science?" The Sixth Workshop on Fact Extraction and Verification (FEVER) at EACL. Dubrovnik, Croatia. 2023 May 5.

2023 [Invited Talk] "Biomedical Evidence Extraction and Synthesis." The Center for Informatics Research in Science and Scholarship (CIRSS) Seminar Series, School of Information Sciences, UIUC. Online. 2023 April 7.

2023 [Invited Talk] "Incorporating External Knowledge for Clinical Outcome Prediction." Institute for Medical Data Science Seminar, University of Washington. Online. 2023 April 3.

2022 [Panelist] "How AI Can Make PDF Useful Again." PageBreak Conference. San Francisco, CA, USA. 2022 October 28.

2022 [Panelist] "AI and Scholarly Publishing." Society for Scholarly Publishing 'Ask the Experts' Webinar. Online. 2022 October 6.

2022 [Panel Moderator] "Knowledge Representation and Semantics for Biomedical Knowledge Synthesis." SeBiLAn Workshop at TheWebConf (WWW). Online. 2022 April 25.

2022 [Invited Talk] “Unlocking Biomedical Knowledge: NLP Systems for Automating Systematic Literature Review.” Information School, University of Washington. Online. 2022 March 14.

2022 [Invited Talk] “Unlocking Biomedical Knowledge: NLP Systems for Automating Systematic Literature Review.” School of Data Science, University of Virginia. Charlottesville, VA, USA. 2022 March 9.

2022 [Invited Talk] “Unlocking Biomedical Knowledge: NLP Systems for Automating Systematic Literature Review.” Department of Informatics, Luddy School of Informatics, Indiana University-Bloomington. Online. 2022 February 28.

2022 [Invited Talk] “Unlocking Biomedical Knowledge: NLP Systems for Synthesizing Biomedical Evidence.” Computer Science Research Seminar, Emory University. Online. 2022 January 31.

2022 [Panelist] “The Machine Element: Signals and Noise: How AI and ML Techniques are Being Deployed to Track a Global Pandemic.” Friends of the NLM Virtual Workshop. Online. 2022 January 26.

2021 [Invited Talk] “Using Machine Learning to Verify Scientific Claims.” OECD Workshop on AI and the Productivity of Science. Online. 2021 November 2.

2021 [Invited Talk] “Mathematics in the Scholarly Literature.” Conference on Artificial Intelligence and Theorem Proving (AITP). Aussois, France and Online. 2021 September 7.

2021 [Panelist] “The Power of AI: A Discussion on COVID-19 & the Future of Industries.” Legalweek. Online. 2021 July 13.

2021 [Invited Talk] “NLP and Text Mining Resources for COVID-19 and Beyond.” Machine Learning for Preventing and Combating Pandemics Workshop at ICLR 2021. Online. 2021 May 7.

2021 [Panelist] “The Power of AI: A Discussion on COVID-19 & the Future of Industries.” Relativity Media Pandemic short film discussion panel. Online. 2021 April 22.

2021 [Keynote] “Text Mining Insights from the COVID-19 Pandemic.” Bibliometric-enhanced Information Retrieval (BIR) Workshop at ECIR 2021. Online. 2021 April 1.

2021 [Invited Talk] “Practical NLP for Biomedicine: Synthesizing Knowledge from Scientific Literature.” CS Colloquium, Northwestern University. Online. 2021 March 8.

2021 [Panelist] “Fast-track Learning: Growing Insights from Text-mining COVID-19 Data.” 1st GTM2021 Virtual Forum. Online. 2021 February 18.

2020 [Panelist] “Open Publishing and Open Data.” Neuro-Gairdner Open Science in Action Symposium. Online. 2020 November 11.

2020 [Panelist] “Building Community and Data Ecosystem for Data Discovery and Reuse.” Artificial Intelligence for Data Discovery and Reuse (AIDR) Symposium. Online. 2020 October 19.

2020 [Invited Talk] “Mining the COVID-19 Scientific Literature with the CORD-19 Open Research Dataset.” Artificial Intelligence for Data Discovery and Reuse (AIDR) Symposium. Online. 2020 October 19.

2020 [Panelist] “Rapid Fire Session: Showcasing What is Here!” Gastroenterology and Artificial Intelligence: 2nd Annual Artificial Intelligence Summit. Online. 2020 October 17.

2020 [Invited Talk] "CORD-19 Search: Using Machine Learning to Explore COVID-19 Scientific Literature.” AWS Education: Research Seminar Series. Online. 2020 July 29.

2020 [Panel Moderator] “The Role of Scientific NLP During an Epidemic.” 1st SciNLP Workshop on Natural Language Processing and Data Mining for Scientific Text. Online. 2020 June 25.

2020 [Invited Talk] “Improving Access to Scientific Literature for NLP.” Microsoft Research Hanover Group. Online. 2020 June 18.

2020 [Invited Talk] “The COVID-19 Open Research Dataset.” Connected Health and COVID-19: Now and Beyond the Great Lockdown. Online. 2020 June 12.

2020 [Invited Talk] “The COVID-19 Open Research Dataset.” Centre for Science and Technology Studies, Leiden University. Online. 2020 May 27.

2020 [Invited Talk] “CORD-19: The COVID-19 Open Research Dataset.” NLP Meetup (NY-NLP, A2D-NLP, DC-NLP, Hungarian NLP, London Text Analytics). Online. 2020 April 27.

2020 [Keynote] “The COVID-19 Open Research Dataset." Semantic Indexing and Information Retrieval for Health (SIIRH) Workshop at ECIR. Online. 2020 April 14.

2019 [Invited Talk] "Ontology-based Integration of Biological Pathway Data." Scientific Literature Knowledge Bases Workshop at Automated Knowledge Base Construction (AKBC). Amherst, MA, USA. 2019 May 22.

2018 [Invited Talk] "Ontologies and Algorithms for Integrating Biological Pathway Data." BIME 590 Seminar, Department of Biomedical Informatics and Medical Education, University of Washington. Seattle, WA, USA. 2018 October 11.

2018 [Invited Talk] "Learning from Biomedical Knowledge." The Allen Institute for Artificial Intelligence (AI2). Seattle, WA, USA. 2018 October 10.

CONFERENCE ACTIVITY

** Indicates presenting author(s)*

2024 [Talk] Singh N*, Wang LL, Bragg J. FigurA11y: AI Assistance for Writing Scientific Alt Text. ACM IUI. Greenville, SC, USA. 2024 Mar 21.

2023 [Poster] Giorgi J, Soldaini L, Wang B, Bader G, Lo K, Wang LL, Cohan A*. Open domain multi-document summarization: a comprehensive study of model brittleness under retrieval. NewSumm Workshop at EMNLP. 2023 December 6.

2023 [Poster] Wang LL, Otmakhova Y, DeYoung J*, Truong TH, Kuehl BE, Bransom E, Wallace BC. Automated metrics for medical multi-document summarization disagree with human evaluations. ACL. Toronto, Canada. 2023 July 10.

2023 [Talk] Cao H*, Dodge J, Lo K, McFarland D, Wang LL. Measuring the prevalence and downstream impact of data and method sharing in arXiv preprints. ICSSI. Evanston, IL, USA. 2023 June 26.

2022 [Poster] Naik A*, Parasa S, Feldman S, Wang LL, Hope T. Literature-Augmented Clinical Outcome Prediction. ML4H Workshop at NeurIPS. New Orleans, LA, USA. 2022 November 28.

2022 [Poster] Wadden D*, Lo K, Wang LL, Cohan A, Beltagy I, Hajishirzi H. MultiVerS: Improving scientific claim verification with weak supervision and full-document context. NAACL. Seattle, WA, USA. 2022 July 13.

2022 [Poster] Naik A*, Parasa S, Feldman S, Wang LL, Hope T. Literature-Augmented Clinical Outcome Prediction. NAACL. Seattle, WA, USA. 2022 July 13.

2022 [Poster] Wright D*, Wadden D, Lo K, Kuehl B, Cohan A, Augenstein I, Wang LL. Generating scientific claims for automated scientific fact checking. ACL. Dublin, Ireland. 2022 May 24.

2022 [Talk and Poster] Shen Z, Lo K, Wang LL*, Kuehl B, Weld DS, Downey D. VILA: Improving Structured Content Extraction from Scientific PDFs Using Visual Layout Groups. ACL. Dublin, Ireland. 2022 May 23.

2021 [Talk and Poster] DeYoung J*, Beltagy I, van Zuylen M, Kuehl B, Wang LL. MS^2: Multi-document summarization of medical studies. EMNLP. Punta Cana, Dominican Republic. 2021 Nov 8.

2021 [Talk and Demo] Wang LL*, Cachola I, Bragg J, Cheng E, Haupt C, Latzke M, Keuhl B, van Zuylen M, Wagner L, Weld D. SciA11y: Converting scientific papers to accessible HTML. ASSETS. Online. 2021 Oct 20.

2021 [Poster] Wang LL, Mack K*, McDonnell EJ*, Jain D, Findlater L, Froehlich JE. A bibliometric analysis of citation diversity in accessibility and HCI research. CHI. Online. 2021 May 12.

2021 [Talk] Mack K*, McDonnell EJ, Jain D, Wang LL, Froehlich JE, Findlater L. What do we mean by 'Accessibility Research'? A literature survey of accessibility papers in CHI and ASSETS from 1994 to 2019. CHI. Online. 2021 May 10.

2020 [Talk and Poster] Subramanian S*, Wang LL, Mehta S, Bogin B, van Zuylen M, Parasa S, Singh S, Gardner M, Hajishirzi H. MedICaT: a dataset of medical images, captions, and textual references. SDP Workshop at EMNLP. Online. 2020 November 19.

2020 [Talk and Poster] Wadden D*, Lin S, Lo K, Wang LL, van Zuylen M, Cohan A, Hajishirzi H. Fact or fiction: verifying scientific claims. EMNLP. Online. 2020 November 18.

2020 [Talk] Roberts K*, Bedrick S, Demner-Fushman D, Lo K, Soboroff I, Voorhees E, Wang LL, Hersh WR. TREC-COVID: information retrieval for supporting COVID-19 research. AMIA Natural Language Processing Working Group Pre-Symposium. Online. 2020 November 14.

2020 [Talk] Wang LL* and Lo K. CORD-19: The COVID-19 Open Research Dataset. Global Tech Mining Conference. Online. 2020 November 13.

2020 [Talk] Wang LL*, Lo K*, Chandrasekhar Y, Reas R, Yang J, Burdick D, Eide D, Funk K, Katsis Y, Kinney R, Li Y, Liu Z, Merrill W, Mooney P, Murdick D, Rishi D, Sheehan J, Shen Z, Stilson B, Wade AD, Wang K, Wang NX, Wilhelm C, Xie B, Raymond D, Weld DS, Etzioni O, Kohlmeier S. CORD-19: the COVID-19 open research dataset. NLP-COVID Workshop at ACL. Online. 2020 July 9.

2020 [Talk] Lo K*, Wang LL, Neumann M, Kinney R, Weld DS. S2ORC: the Semantic Scholar open research corpus. ACL. Online. 2020 July 8.

2020 [Talk and Demo] Wang LL*, Tafjord O, Cohan A, Jain S, Skjonsberg S, Schoenick C, Botner N, Ammar W. SUPP.AI: finding evidence for supplement-drug interactions. ACL Demo. Online. 2020 July 7.

2019 [Poster] Wang LL*, Tafjord O, Cohan A, Jain S, Skjonsberg S, Schoenick C, Botner N, Ammar W. Extracting evidence of supplement-drug interactions from literature. ML4H Workshop at NeurIPS. Vancouver, BC, Canada. 2019 December 13.

2019 [Poster] Wang LL*, Wang Y, Oztek MA, Mayr N, Lo S, Yuh W, Mossa-Basha M. Automated Identification of Noise Signal in Spinal DCE-MRI using Independent Component Analysis and Unsupervised Machine Learning. ISMRM. Montréal, QC, Canada. 2019 May 16.

2018 [Poster] Wang LL* and Gennari JH. Quantifying the effects of gene entity disambiguation for GSEA. AMIA Symposium. San Francisco, CA, USA. 2018 November 5.

2018 [Doctoral Consortium] Wang LL*. Semi-automated integration of pathway data for pathway analysis. Knowledge Representation and Semantics Working Group Pre-Symposium Doctoral Consortium, AMIA Symposium. San Francisco, CA, USA. 2018 November 3.

2018 [Talk] Wang LL*, Bhagavatula C, Neumann M, Lo K, Wilhelm C, Ammar W. Ontology alignment in the biomedical domain using entity definitions and context. Bio-NLP Workshop at ACL. Melbourne, Australia. 2018 July 19.

2018 [Talk] Wang LL*, Shimoyama M, Hayman GT, Smith JR, Tutaj M, Gennari JH. Ontology-based integration of pathway databases using Pathway Ontology annotations. Bio-Ontologies at ISMB. Chicago, IL, USA. 2018 July 9.

2017 [Poster] Wang LL* and Gennari JH. Similarity metrics for determining overlap among biological pathways. ICBO. Newcastle upon Tyne, United Kingdom. 2017 September 15.

2017 [Poster] Hood TR*, Wang LL, Abernethy N. Detection and Functional Classification of Fusion Genes Using Pathway Expression Profiles. AMIA Joint Summits on Translational Science. San Francisco, CA, USA. 2017 March 28.

2016 [Poster] Wang LL*, Gennari JH, Abernethy N. Discovering representational differences between pathway knowledge bases for pathway resource merging. AMIA Symposium. Chicago, IL, USA. 2016 November 15.

2016 [Poster] Wang LL*, Grunblatt E, Whipple ME. Auditing tree-like organ systems in the FMA using network motifs. AMIA Symposium. Chicago, IL, USA. 2016 November 15.

2016 [Talk] Jung H*, Law AB, Grunblatt E, Wang LL, Kusano A, Mejino JLV Jr, Whipple ME. Development of a novel Markov chain model for the prediction of head and neck squamous cell carcinoma dissemination. AMIA Symposium. Chicago, IL, USA. 2016 November 16.

2016 [Talk] Wang LL*, Gennari JH, Abernethy N. An analysis of differences in biological pathway resources. ICBO & BioCreative. Corvallis, OR, USA. 2016 August 3.

2016 [Poster] Wang LL. Identifying and resolving inconsistencies in biological pathway resources. NLM Informatics Training Conference. Columbus, OH, USA. 2016 June 27.

2015 [Talk] Wang LL*, Grunblatt E, Jung H, Kalet IJ, Whipple ME. Biological model development as an opportunity to provide content auditing for the foundational model of anatomy ontology. AMIA Symposium. San Francisco, CA, USA. 2015 November 16.

2015 [Poster] Wang LL* and Choi Y. Development of a discharge ontology to support postanesthesia discharge decision making. ICBO. Lisbon, Portugal. 2015 July 29.

2015 [Poster] Wang LL*. Ontological content auditing during model creation using the foundational model of anatomy. NLM Informatics Training Conference. Bethesda, MD, USA. 2015 June 23.

2014 [Poster] Kaminsky DA*, Wang LL, Shade DM, Dixon AE, Bates JHT, Irvin CG, Wise RA, Peters SP. Detrended fluctuation analysis of peak expiratory flow and its association with destabilization of asthma control. International Conference of the American Thoracic Society (ATS). San Diego, CA, USA. 2014 May 16.

2013 [Poster] Zaidman C*, Bohorquez J, Wang LL, Florence J, Connolly AM, Escolar DM, Williams G. Electrical impedance myography in DMD: a multi-center study of reliability and relationships to strength and function. The 18th International Congress of the World Muscle Society. Asilomar, CA, USA. 2013 October 2.

TEACHING

Courses

INFO478 Population Health Informatics. UW Information School. AUT2024 *(scheduled)*, WIN2025 *(scheduled)*.

INFO498 Special Topics in Informatics: Text Mining & Analytics. UW Information School. AUT2023, AUT2024 *(scheduled)*.

INFO330 Introduction to Databases & Data Modeling. UW Information School. WIN2023A, WIN2023B, WIN2024A, WIN2024B.

BIME591 Biological Pathway Analysis: Trends and Applications. UW Biomedical Informatics and Medical Education. SPR2017.

Tutorials

2021 Science of Science Summer School (S4). "Practical NLP for scientific text mining: extracting and synthesizing knowledge from the literature." Online. 2021 July 29.

2018 Kidney Precision Medicine Project Ontology Webinar. "A Brief Introduction to Ontology." Online. 2018 December 19.

Guest lectures

"Identifying and Mitigating Algorithmic Biases." Artificial Intelligence Law: Practice and Theory, School of Law, Seattle University, Seattle, WA, USA. June 29, 2022.

"Ontology and NLP: Bridging the 'Structural Chasm.'" BIME550, Knowledge Representation, Department of Biomedical Informatics and Medical Education, University of Washington, Seattle, WA, USA. February 7, 2022 and February 13, 2023.

"A SPARQL Tutorial." BIME550, Knowledge Representation, Department of Biomedical Informatics and Medical Education, University of Washington, Seattle, WA, USA. January 24, 2018.

ADVISING & MENTORSHIP

Postdoctoral Researchers

2023— Brian Hur, Biomedical Informatics and Medical Education, University of Washington

PhD Students

2023— Anukriti, PhD Advisor, Information School, University of Washington

2023— Izzy Chaiken, PhD Co-Advisor, Information School, University of Washington

2023— Katelyn Mei, PhD Advisor, Information School, University of Washington

2022— Donghoon Shin, PhD Co-Advisor, Human Centered Design & Engineering, University of Washington

2022— Bingbing Wen, Doctoral Committee Member, Information School, University of Washington

2022— Yue Guo, Doctoral Committee Member, Biomedical Informatics and Medical Education, University of Washington

Masters Students

2023— Anthony Hevia, Computational Linguistics, University of Washington

2023— Jun Hou, Computer Science, Northeastern University

2023— Sanjana Chintalapati, Computer Science & Engineering, University of Washington

2023 Nayha Auradkar, Computer Science & Engineering, University of Washington

Other Graduate Students

2023— Raymond Fok, Graduate Student Representative, Computer Science, University of Washington

2023— Graham Crawbuck, Graduate Student Representative, Epidemiology - Public Health, University of Washington

2023— Sitong Zhou, Graduate Student Representative, Electrical & Computer Engineering, University of Washington

2023— Victoria Lin, Graduate Student Representative, Computer Science, University of Washington

2022— Sofia Serrano, Graduate Student Representative, Computer Science, University of Washington

Undergraduate Students

2023— Carlos Alvarez, Information School

2023— Max Bennett, Information School

2022—2023 Jessie Zeng, Linguistics & Information School

2022—2023 Sanjana Chintalapati, Computer Science & Engineering

AI2 Research Interns

2023—2024 Chao-Chun (Joe) Hsu, PhD student, University of Chicago

2023—2024 Yue Guo, PhD student, University of Washington

2023—2024 Nikhil Singh, PhD student, MIT

2022—2023 Hancheng Cao, PhD student, Stanford University

2022—2023 Nayha Auradkar, Masters student, University of Washington

2022—2024 John Giorgi, PhD student, University of Toronto → Research Scientist at Abridge

2021—2022 Sanjana Chintalapati, Undergrad, University of Washington → Masters student at University of Washington

2021—2022 Tal August, PhD student, University of Washington → Young Investigator at AI2

2021—2022 Dustin Wright, PhD student, University of Copenhagen → Postdoc at University of Copenhagen

2021—2022 Aakanksha Naik, PhD student, Carnegie Mellon University → Research Scientist at AI2

2021 Chantal Shaib, Masters student, University of Toronto → PhD student at Northeastern University

2020—2021 Jay DeYoung, PhD student, Northeastern University

2020—2022 David Wadden, PhD student, University of Washington → Research Scientist at AI2

2019 Xueqing (Susan) Liu, Postdoc → Assistant Professor of Computer Science at Stevens Institute of Technology

AI2 Predoctoral Young Investigators

2020—2021 Zejiang Shen → PhD student at MIT

2020—2021 Isabel Cachola → PhD student at Johns Hopkins University

2020 Sanjay Subramanian → PhD student at UC Berkeley

Other Mentorship

2022—2023 Data Science Capstone, UVA School of Data Science

2021—2022 AI for Scientific Research Capstone, NYU Tandon School of Engineering

2020 Mentor, Graduate Student Mentorship Initiative, Científico Latino

2017—2018 Mentor, University of Washington High Performance Computing Club

SERVICE

Editorial Boards

2023— Standing Reviewer, Transactions of the Association for Computational Linguistics (TACL)

2023— Associate Editor, Text-mining and Literature-based Discovery section, Frontiers in Research Metrics and Analytics

2022—2023 Review Editor, Text-mining and Literature-based Discovery section, Frontiers in Research Metrics and Analytics

2017—2019 Student Member, Journal of the American Medical Informatics Association

Special Issue Editor

2022—2023 "Semantics-enabled Biomedical Literature Analytics." Journal of Biomedical Informatics.

Organizing Committee

2024 Volunteers Chair, NAACL

2022 Multi-document Summarization for Literature Review (MSLR) Shared Task at SDP

2022 Workshop on Scholarly Document Processing (SDP) at COLING

2022 Workshop on Semantics-Enabled Biomedical Literature Analytics at TheWebConf (WWW)

2021 2nd SciNLP Workshop at AKBC

2021 2nd Scholarly Document Processing (SDP) Workshop at NAACL-HLT

2021 Epidemic Question Answering (EPIC-QA) Shared Task at TAC

2020 TREC-COVID Shared Task at TREC

2020 1st SciNLP Workshop at AKBC

Program Committee

2024 Human-Centered LLM Workshop (HuCLLM) at ACL

2024 Area Chair, ACL Rolling Review (ACL 2024)

2024 Workshop on Bibliometric-enhanced Information Retrieval (BIR) at ECIR

2023 Area Chair, NeurIPS Datasets and Benchmarks

2023 Area Chair, Resources & Evaluation Track, ACL

2023 Joint Conference on Digital Libraries (JCDL)

2023 SPC Member, AAAI

2022 Area Chair, Document Classification and Information Retrieval Track, COLING

2022 Joint Conference on Digital Libraries (JCDL)

2022 Workshop on Bibliometric-enhanced Information Retrieval (BIR) at ECIR

2021 BioASQ Workshop at CLEF

2020 BioASQ Workshop at CLEF

Steering Committee

2024 Workshop on Scholarly Document Processing (SDP) at ACL

Reviewing

In addition to the above, I review for the following conferences and journals, listed alphabetically:

AAAS (2022), AACL-IJCNLP System Demonstrations (2020), ACL (2023), ACL-IJCNLP (2021), ACL Rolling Review (2021, 2022, 2024), ACM Transactions on Computing for Healthcare (2020, 2021, 2022), AMIA Annual Symposium (2016, 2017, 2019, 2021), AMIA Informatics Summit (2018, 2019, 2021), AMIA Translational Bioinformatics YIR (2017, 2018), Artificial Intelligence (2022), BMC Bioinformatics (2021, 2022), CHI (2023), COLING/LREC (2024), COLM (2024), CSCW (2023), Data Science (2019), EMNLP (2019), IEEE Transactions on Computational Biology and Bioinformatics (2021), IEEE Transactions on Knowledge and Data Engineering (2020), International Journal on Digital Libraries (2023), Journal of the American Medical Informatics Association (2017, 2018), Journal of Biomedical Informatics (2019, 2020, 2021, 2022, 2023), Machine Learning for Health (ML4H) Workshop (2019), Medical Semantic Indexing in Spanish (MESIESP2) (2021), Nature Communications (2023), Nature Scientific Reports (2020, 2021), NAACL-HLT Industry Track (2021), NLP-

COVID Workshop (2020), NeurIPS Workshop Proposals (2021), PLOS ONE (2021), Scholarly Document Processing (SDP) Workshop (2020, 2021, 2022), Scientometrics (2022, 2023), Transactions on Accessible Computing (TACCESS) (2022).

Service to Profession

2021	Member, Governance Task Force, AMIA
2019—2020	Member, Kidney Precision Medicine Project Ontology Integration Sub-committee
2017—2018	Manager, Journal Club, JAMIA
2017	Assistant Editor, MedInfo

University Committees

2024—	Member, Infrastructure Working Group, University of Washington AI Task Force

Departmental Committees

2023—2024	PhD Program & Admissions Committee, iSchool, University of Washington
2022—2023	Informatics Program & Admissions Committee, iSchool, University of Washington
2021—2022	Internal Review Board, Allen Institute for AI
2019—2021	Committee on Diversity, Equity, and Inclusion, Allen Institute for AI
2015—2016	Curriculum Committee, Department of Biomedical Informatics and Medical Education, University of Washington

Non-Profit Activity

2020—2022	Vice President, Board of Directors, Nihon-Kiin Go Institute of the West
2018—2022	Elected Member, Board of Directors, Nihon-Kiin Go Institute of the West

PROFESSIONAL MEMBERSHIPS

American Medical Informatics Association (AMIA)

Association for Computational Linguistics (ACL)

Association for Computing Machinery (ACM)

SELECTED PRESS COVERAGE

2021 "A web tool that converts PDF scientific papers into HTML." Written by Clive Thompson for Boing Boing. https://boingboing.net/2021/09/17/a-web-tool-that-converts-pdf-scientific-papers-into-html.html

2020 "Artificial Intelligence is on track to improve medicine." Written by Paul Bennett for Techonomy. https://techonomy.com/2020/12/artificial-intelligence-is-on-track-to-improve-medicine/

2020 "Software tools for mining COVID-19 research studies go viral among scientists." Written by Alan Boyle for Geekwire. https://www.geekwire.com/2020/software-tools-mining-covid-19-research-studies-go-viral-among-scientists/

2020 "AI researchers seeking COVID-19 answers face hurdles." Written by Gopal Ratnam for Roll Call. https://www.rollcall.com/2020/04/28/ai-researchers-seeking-covid-19-answers-face-hurdles/

2020 "Exploring the COVID-19 Open Research Dataset." Recorded with Chris Benson and Daniel Whitenack at The Changelog's Practical AI. https://changelog.com/practicalai/86

2019 "How do drugs interact with supplements? Supp.AI search engine tracks down clues." Written by Alan Boyle for Geekwire. https://www.geekwire.com/2019/drugs-interact-supplements-suppai-search-engine-tracks-clues/

2019 "Supp AI uses machine learning to identify supplement interactions." Written by Kyle Wiggers for VentureBeat. https://venturebeat.com/2019/09/19/supp-ai-uses-machine-learning-to-model-supplement-interactions/

2019 "Another century of gender inequality in computer science." Written by Kaveh Waddell for Axios. https://www.axios.com/gender-inequality-computer-science-research-5440357b-6c13-4411-a373-1d3d771dfefc.html

2019 "The Gender Gap in Computer Science Research Won't Close for 100 Years." Written by Cade Metz for The New York Times. https://www.nytimes.com/2019/06/21/technology/gender-gap-tech-computer-science.html