

Eamon Duede

Purdue University
West Lafayette, IN., 47907

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Academic Appointments

Purdue University

Assistant Professor, 2024 - Present
Department of Philosophy

Argonne National Laboratory

Joint Appointment, 2024 - Present
Data Science and Learning Division (DSL)

Harvard University

Postdoctoral Fellow, 2023 - 2024
Digital Data Design Institute
Embedded EthiCS (Departments of Philosophy & Computer Science)

Education

University of Chicago

Ph.D. Philosophy & Ph.D. Conceptual and Historical Studies of Science, 2017 - 2023 (with Honors)
(*Joint PhD*) *Department of Philosophy & Committee on Conceptual and Historical Studies of Science*

Fellow, AI-enabled Molecular Engineering of Materials and Systems for Sustainability, 2021 - 2023
Pritzker School of Molecular Engineering

A.M. Humanities (Philosophy), 2008 - 2011

University of Cambridge

Visiting Student, Spring 2023
Leverhulme Centre for the Future of Intelligence

Loyola University Chicago

B.A. Philosophy, 2003 - 2007 (with Honors)

Affiliations

University of Chicago, Committee on Conceptual & Historical Studies of Science, Affiliated Faculty, 2025—

University of Chicago, Knowledge Lab, Affiliated Faculty, 2024—

Scholarly Publications

James Evans & Eamon Duede. “*After Science.*” *Science*, 2025

Eamon Duede & Kevin Davey. “*Apriori Knowledge in an Era of Computational Opacity: The Role of AI in Mathematical Discovery.*” *Philosophy of Science*, 2025

Patrick Sui, Eamon Duede, Sophie Wu, & Richard Jean So. ["Confabulation: The Surprising Value of Large Language Model Hallucinations."](#) *Association for Computational Linguistics (ACL) '24*, 2024

Eamon Duede & Richard Jean So. ["A Humanistic Case for AI Optimism"](#) *Poetics Today*, 2024

Eamon Duede, Misha Teplitskiy, Karim R. Lakhani, & James A. Evans. ["Being Together in Place as a Catalyst for Scientific Advance"](#) *Research Policy*, 2024

Media Coverage: *HBS Working Knowledge*

Eamon Duede. ["Deep Learning Opacity in Scientific Discovery"](#) *Philosophy of Science*, 2023

Zhi Hong, J. Gregory Pauloski, Aswathy Ajith, Eamon Duede, Kyle Chard & Ian Foster. ["The Diminishing Returns of Masked Language Models to Science."](#) *Findings of the Association for Computational Linguistics (ACL)'23*, 2023

Eamon Duede. ["Instruments, Agents, & Artificial Intelligence: Novel Epistemic Categories of Reliability"](#) *Synthese*, 2022

Misha Teplitskiy, Eamon Duede, Michael Menietti, and Karim R. Lakhani. ["How status of research papers affects the way they are read and cited."](#) *Research Policy*, 2022

Media Coverage: *Times Higher Education, LSE Impact Blog*

Feng Shi, Misha Teplitskiy, Eamon Duede, and James A. Evans. ["The Wisdom of Polarized Crowds."](#) *Nature Human Behavior*, 2019

Media Coverage: *CNN, Scientific American, Harvard Business Review, Forbes, Nature, Nautilus, New Scientist, Daily Mail, UChicago News*

Yadu Babuji, Kyle Chard, Eamon Duede, & Ian Foster. ["Safe Collections and Stewardship on Cloud Kotta."](#) *Safe Data '17 workshop at IEEE eScience '17*, 2017

Yadu Babuji, Kyle Chard, & Eamon Duede. ["Enabling Interactive Analytics of Secure Data using Cloud Kotta."](#) *Science Cloud '17 workshop at ACM International Symposium on High-Performance Parallel and Distributed Computing*, 2017

Eamon Duede and Victor Zhorin. ["Convergence of Economic Growth and the Great Recession as Seen From a Celestial Observatory."](#) *EPJ Data Science*, 2016

Media Coverage: *UChicago News*

Misha Teplitskiy, Grace Lu, and Eamon Duede. ["Amplifying the Impact of Open Access: Wikipedia and the Diffusion of Science."](#) *Journal of the Association for Information Science and Technology*, 2016

Winner: Best Student Paper, 2015, *Association for Information Science & Technology*, special interest group for *Measurement of Information Production & Use*

Media Coverage: *MIT Tech Review, LSE Impact Blog*

Yadu Babuji, Kyle Chard, Aaron Gerow, & Eamon Duede. ["Cloud Kotta: Secure and Scalable Data Analytics in the Cloud."](#) *IEEE BigData '16*, 2016

Yadu Babuji, Kyle Chard, Aaron Gerow, & Eamon Duede. ["A Secure Data Enclave and Analytics Platform for Social Scientists."](#) *IEEE eScience '16*, 2016

Misha Teplitskiy, Grace Lu, & Eamon Duede. ["The Transmission of Scientific Knowledge to Wikipedia."](#) *International Association for the Advancement of Artificial Intelligence Conference on Weblogs and Social Media (ICWSM'15 Oxford, UK)*, 2015

Aaron Gerow, Bowen Lou, Eamon Duede, & James A. Evans. ["Proposing Ties in a Dense Hypergraph of Academics"](#) *SocInfo '15*, 2015

Book Chapters

Eamon Duede. "The Representational Status of Deep Learning Models." In *The Role of AI in Science: Epistemological and Methodological Studies*, ed Darrell Rowbottom, André Curtis-Trudel, and David Barack. Routledge. (Forthcoming)

Grants, Awards, Honours

(PI) "AI & Evolving Disciplinary Norms of Inquiry", Alfred P. Sloan Foundation, 2025 - 2027 (\$250,000)

(PI) "Eliciting and Measuring the Intellectual Health of Research Fields, Open Philanthropy, w/ Misha Teplitskiy, 2025 (\$50,000)

(Co-PI) "(Re)designing AI for Diverse Disciplines", Alfred P. Sloan Foundation, w/ David Krakauer & Jacob Foster, 2024 (\$45,200)

Named "Rising Star in Data Science", *Data Science Institute*, University of Chicago, 2022

Fellow, AI-enabled Molecular Engineering of Materials and Systems for Sustainability, *National Science Foundation*, 2021 - 2023

HiPSS Prize Lectureship, 2022

Fellow, Diverse Intelligences Summer Institute, 2021

(PI) *Latent Knowledge Capture on Covid-19 Literature*, Google, 2020 (\$20,000)

(Co-PI) *Engineering Opportunity: Identifying optimal skill and relationship mixtures for individual, enterprise, and regional prosperity*. Center for Data and Computing, w/ James Evans, Lingfei Wu, Matt Gee, 2019 (\$50,000)

(Co-PI) *When Technology Transforms Society: Considering the Societal and Ethical Impacts of Quantum Computing and AI*. Center for Data and Computing, w/ Chihway Chang, Daniel Bowring, Brian Nord, 2019 (\$15,000)

LinkedIn Economic Graph Research Awardee, 2017

Fishbein Fellowship, 2017 - 2022

University of Chicago Social Sciences Fellowship, 2017 - 2020

Winner: Best Student Paper, 2015, *Association for Information Science & Technology*, special interest group for *Measurement of Information Production & Use* for "Amplifying the Impact of Open Access: Wikipedia and the Diffusion of Science."

Amazon Research Award, 2015 (\$50,000)

Departmental Honors B.A. in Philosophy, *Loyola University of Chicago*

Patents

Steven Lehmann, Eamon Duede, and Jeremy Langsam. "Cognition Management System and Methods for Managing Research and Development Activity." US Patent.

Invited Talks, Panels, & Workshops

Plenary: "Epistemic Gaps and the Attribution of (AI) Discovery", *AI and Philosophy*, University of New Orleans, New Orleans, LA., 2026

Keynote: "Collective Abduction and the Future of Science", *International Conference on the Science of Science and Innovation* (ICSSI), Copenhagen, DK, 2025

"Automating Mixed-Agent Science: Considering Cases from Mathematics", *Computational Methods in Science: Implications, limitations, and Promises*, University of Oregon, Eugene, OR., 2025

"Philosophy and AI - New and Open Problems", *Humanistic AI: Reimagining Humanistic Pursuits in the Age of Generated Media*, Neubauer Collegium for Culture and Society, University of Chicago, Chicago, IL., 2025

"AI & Useful Frictions in Science", *ANETI Lab*, Budapest, HU, 2025

"Tail Novelty, Knowledge Collapse, and Useful Frictions in Science", Computer Science Seminar Series, *Illinois Institute of Technology*, Chicago, IL, 2025

"AI and the New Boundaries of Scientific Creativity", *Modern Fiction Studies Conference on Artificial Intelligence*, Purdue University, West Lafayette, IN., 2025

Panelist: "AI in Science", *International Conference on the Science of Science and Innovation* (ICSSI), Copenhagen, DK, 2025

"Automating Mixed-Agent Science: Considering Cases from Mathematics", *AI and the Epistemic Essentials of Science* a closed panel at *50th Annual Meeting of the Society for Social Studies of Science* (4S), Seattle, USA, 2025

"AI Evaluation in Science: Philosophical Considerations", *Measuring AI in the World*, The Santa Fe Institute, Santa Fe, USA, 2025

"Social abduction and artificial intelligence", *Why the Data Revolution Needs Qualitative Methods*, University of Bremen, Bremen, DE, 2025

Panelist: "AI and the Boundaries of Business" at *Cornerstone for Business Conference*, Purdue University, West Lafayette, IN., 2025

"Current Technical and Conceptual Challenges for AI-Infused Science", *The Role of AI in Science*, Massachusetts Institute of Technology, Cambridge, USA, 2024

"Considering the (Social)Epistemology of Mixed Agent Science", *History, Philosophy, and Science of Science*, University of California, Los Angeles, Los Angeles, CA., 2024

"Deep Learning Opacity in Scientific Discovery", *Department of Philosophy*, University of Oregon, Eugene, OR., 2024 (Virtual)

"Artificial Intelligence as an Occasion for Philosophy", *Department of Philosophy*, Purdue University, West Lafayette, IN., 2024

"Artificial Intelligence as an Occasion for Philosophy", *Department of Philosophy*, The College of William & Mary, Williamsburg, VA., 2024

"After Science: AI and the Aims of Science", *Lingnan / Cambridge conference on the philosophy of AI in science*, University of Cambridge, Cambridge, UK., 2023

"Being Together in Place as a Catalyst for Scientific Advance", *The Emergence of Innovation in New Places*, Man-suetto Institute for Urban Innovation, Chicago, IL., 2023

"Epistemics of AI-Infused Science", *Leverhulme Centre for the Future of Intelligence*, University of Cambridge, Cambridge, UK., 2023

"Epistemics of AI-Infused Science", *Department of Philosophy of Science and Technology of Computer Simulation*, High-Performance Computing Center Stuttgart, Stuttgart, DE., 2023

Symposium Paper Commentary: "Functional Psychology and the Computer Model of Mind", by Howard Callaway, *The American Philosophical Association Eastern Division 119th Annual Meeting*, Montreal, Quebec, Canada, 2023

"AI in Society: Inductive Risk and the Problem of Value Alignment", *Practical Philosophy Workshop*, University of Chicago, Chicago, IL., 2023

"Optimizing AI for the Human Loop", *Harnessing Data for Materials Symposium*, Chicago, IL., 2022

"Quantifying Scholarly Engagement with Artificial Intelligence", *Parsl & funcXfest 2022*, Chicago, IL., 2022

"Deep Learning Opacity in Scientific Discovery", *The International Philosophy of Biology Working Group*, University of Texas at Austin, 2022 (Virtual due to COVID-19)

"Instruments, Agents, and Artificial Intelligence: Novel Epistemic Categories of Trust", *Theoretical Philosophy Workshop*, University of Chicago, Chicago, IL., 2022

"Being Together in Place as a Catalyst for Scientific Advance", *Seminars in Economic Geography*, 2022 (Virtual due to COVID-19)

Discussant: "Evolution and the Metabolism of Error: Biological Practice as Foundation for a Scientific Metaphysics", by William Wimsatt, *History and Philosophy of Science Workshop*, University of Chicago, 2021 (Virtual due to COVID-19)

Panel Moderator: "Interdisciplinary Data Science Panel" at *Rising Stars in Data Science Workshop*, 2021 (Virtual due to COVID-19)

"Distance Matters in Science and Scholarship", *ParslFest 2020*, 2020 (Virtual due to COVID-19)

"Diverse Intelligences, Distance, & the Logic of Influence", *Crossref*, 2020 (Virtual due to COVID-19)

"Deep Neural Networks and the Philosophy of Science", *Theoretical Philosophy Workshop*, University of Chicago, Chicago, IL., 2020

"Distance Matters in Science and Scholarship", *Laboratory for Innovation Science*, Harvard University, Cambridge, MA., 2020

Discussant: "Horizontal Persistence and the Complexity Hypothesis", by Aaron Novick, *History of Human Sciences*, University of Chicago, 2020

Discussant: "Generative Entrenchment and Modularity", by William Wimsatt, *History of Human Sciences*, University of Chicago, 2020

Discussant: "Affect and Inference: Genealogies of Affect Recognition in AI", by Alex Campolo, *Affect and Emotions Workshop*, University of Chicago, 2020

"Diverse Intelligences, Distance, & the Logic of Influence.", *Workshop in the History and Philosophy of Science*, University of Chicago, Chicago, IL., 2019

"Word Embedding with Python" *Data Therapy*, University of Chicago, 2019

"Model Realism and Theory Detection" *Center for Data Science and Computing Research*, University of Chicago, 2019

- "Roads of Influence" *Laboratory for Innovation Science*, Harvard University, 2019
- "Model Realism and Theory Detection" *Environmental Data Science Seminar Series*, University of Chicago, 2019
- "Social Syllogisms Drive the Logic of Scientific Advance", *Workshop in the History and Philosophy of Science*, University of Chicago, Chicago, IL., 2018
- "The Wisdom of Politically Polarized Crowds" *Center for Data Science and Computing Research*, University of Chicago, 2018
- "How We Cite, and What It Means for Measuring the Value of Science: Survey Evidence from 12,000 Authors", *Laboratory for Innovation Science*, Harvard University, Cambridge, MA., 2018
- "Big Data, Innovation, and Insights into the Complexities of the Scientific Enterprise" at *Science Works: Measuring the Innovation Output of Science*, Netherlands, 2017
- "Hacking the Web of Science" at *ALA 2017*, Chicago, 2017
- "The Wisdom of Politically Polarized Crowds" at *WikiCite 2017*, Vienna, Austria, 2017
- Panelist: "Co/Eval" at *Converge: Disciplinaries and Digital Scholarship*, Los Angeles, 2017
- Panel Moderator: "Computation and analytics are driving innovation across disciplines in new and interesting ways" at *Mind Bytes 2017*, Chicago, 2017
- "Computational Social Science" at *Research Computing Center*, University of Chicago, 2017
- "Delphi: Leveraging Research Analytics to Understand and Navigate the Research Enterprise", *The John Templeton Foundation*, Philadelphia, 2016
- "Toward a Theory of Peer Review", *PLOS*, San Francisco, 2016
- "Science of Peer Review", *PLOScast*, San Francisco, 2016
- "Science of Science", *PLOScast*, Berlin, Germany, 2016
- "Data and Machine Enabled Science", *Globus World*, Argonne National Lab, 2015
- "A Search for Knowledge About Knowledge", *Center for Robust Decision Making on Climate and Energy Policy*, University of Chicago, 2014
- "Knowledge Lab", *Computation Institute Student Engagement Lightening Talk*, University of Chicago, 2013

Refereed Conference Presentations

- "Collective Creativity in Mixed-Agent Mathematics." *8th International Meeting of the Association for the Philosophy of Mathematical Practice*, Chapman University, Orange, CA., 2026
- "Collective Creativity in Mixed-Agent Science." *Artificial Intelligence and Collective Agency*, Oxford University, Oxford, UK., 2025
- "Apriori Knowledge in an Era of Computational Opacity: The Role of AI in Mathematical Discovery." Presented by Kevin Davey at *Philosophy of Science Association (PSA 2024) 29th Biannual Meeting*, New Orleans, LA., 2024
- "Novel (Social)Epistemological Considerations for Mixed-Agent Science" (Symposium Presentation) *Philosophy of Science Association (PSA 2024) 29th Biannual Meeting*, New Orleans, LA., 2024

"Can an LLM be a Scientist?" Presented by Tom Pashby at *Philosophy of Science Association (PSA 2024) 29th Biannual Meeting*, New Orleans, LA., 2024

"Confabulation: The Surprising Value of Large Language Model Hallucinations.", *The 62nd Annual Meeting of the Association for Computational Linguistics*, Bangkok, TH., 2024

"Novel Epistemological Predicaments for AI-Infused Science", *mrc2024: Models, Representation, and Computation*, Paris, FR., 2024

"Novel Epistemological Considerations for AI-Infused Science", *IACAP2024: International Association for Computing and Philosophy*, Eugene, OR., 2024

"Oil & Water? Diffusion of AI Within and Across Scientific Fields", *ICSSI: International Conference on Science of Science*, Washington DC., 2024

"Epistemic Safety for AI Safety", *SAS23 - Reliability or Trustworthiness?*, Stuttgart, DE., 2023

"Instruments, Agents, and Artificial Intelligence: Novel Epistemic Categories of Reliability", *SAS23 - Reliability or Trustworthiness?*, Stuttgart, DE., 2023

"The Social Abduction of Science", *4S: Society for the Social Studies of Science*, Honolulu, HI., 2023

"Deep Learning Opacity in Scientific Discovery", *The American Philosophical Association Central Division 120th Annual Meeting*, Colloquium Paper, Denver, CO., 2023

"Deep Learning Opacity in Scientific Discovery", *Philosophy of Science Association (PSA 2022) 28th Biannual Meeting*, Pittsburgh, PA., 2022

"Distance Matters in Science and Scholarship", *8th International Conference on Computational Social Science (IC²S²)*, Chicago, IL., 2022

"Accelerating Computational Social Science with ScholarBERT", *8th International Conference on Computational Social Science (IC²S²)*, Chicago, IL., 2022

"Ethical Frameworks for Balancing Bystander Risk with Public Health Priorities in Social Network Research", *Sunbelt 2022*, Cairns, Australia, 2022

"Digital Analogues", *Social Sci Foo*, 2022 (Virtual due to COVID-19)

"Being Together in Place as a Catalyst for Scientific Advance", *Seminars in Economic Geography*, 2022 (Virtual due to COVID-19)

"Being Together in Place as a Catalyst for Scientific Advance", *Networks 2021: A Joint Conference of Sunbelt and NetSci*, 2021 (Virtual due to COVID-19)

"Citations and Impact: Evidence from ground-truth measures of influence", *2020 Bibliometrics and Research Assessment Symposium*, National Institutes of Health, 2020 (Virtual due to COVID-19)

"Distance Matters in Science and Scholarship", *11th Annual International Science of Team Science Conference*, Duke University, Durham, NC, 2020 (Virtual due to COVID-19)

"Deep Neural Networks and the Philosophy of Science", *Overcoming Opacity in Machine Learning*, Society for the Study of Artificial Intelligence and the Simulation of Behaviour (AISB) annual convention, St. Mary's University, London, 2020 (Cancelled due to COVID-19)

"Do Citations Measure Influence?", *17th International Conference on Scientometrics & Informetrics*, Rome, Italy, 2019

"What do Citations Measure?" *Innovation Growth Lab*, Berlin, Germany, 2019

"Why (almost) Everything We Know About Citations is Wrong: Evidence from Authors", 23rd *International Conference on Science and Technology Indicators (STI 2018)*, Leiden, Netherlands, 2018

"Why Citations Don't Mean What We Think They Mean: Evidence from Citers", 4th *Annual International Conference on Computational Social Science*, Northwestern University, Evanston, IL., 2018

"The Wisdom of Polarized Crowds", 4th *Annual International Conference on Computational Social Science*, Northwestern University, Evanston, IL., 2018

"Do Citations Measure Influence?", *MIT Economic Sociology Working Group*, MIT, Cambridge MA., 2017

"Wisdom of Politically Polarized Crowds", *Meeting of the Society for the Social Studies of Science (4S)*, Boston, 2017

"Wisdom of Polarized Crowds", *Collective Intelligence Conference*, NYC, 2017 (Poster)

"Convergence of Economic Growth and the Great Recession as Seen From a Celestial Observatory", *Mind Bytes 2017*, Chicago, 2017 (Poster)

"Amplifying Open Access: Wikipedia and the Diffusion of Science", *Quantifying Science* a workshop at the *Conference on Complex Systems*, Tempe, 2015

"Proposing Links in a Mined Hypergraph of Academics", 110th *Annual Meeting of the American Sociological Association*, Chicago, 2015

"The Transmission of Scientific Knowledge to 50 Wikipedias: Coverage and the Role of Accessibility", 9th *International Conference on Web and Social Media*, Oxford University, Oxford, UK., 2015

Other Publications

["Citation counts reinforce the influence of highly cited papers and nudge us towards undervaluing those with fewer"](#), *The London School of Economics: Impact Blog*, 2022

["Harnessing Polarized Minds"](#), *Nature: After the Paper*, 2020

["Finding Wisdom in Politically Polarized Crowds"](#), *Nature: Behind the Paper*, 2019

["Are Politically Diverse Teams More Effective?"](#), w/ Feng (Bill) Shi, Misha Teplitskiy, and James A. Evans, *Harvard Business Review*, 2019

["Wikipedia is significantly amplifying the impact of Open Access publications"](#), *The London School of Economics: Impact Blog*, 2015
 (A 'Top Post' of 2015)

Teaching & Advising

At Purdue University

General Philosophy of Science (Graduate Seminar), Spring 2026

Principles Of Logic, Spring 2026

Transformative Texts Critical Thinking & Communication II: Modern World, 2024, 2025

At Harvard University

- (Ethics Module) Discrete Mathematics, Spring 2024
- (Ethics Module) Machine Learning, Spring 2024
- (Ethics Module) Introduction to Reinforcement Learning, Fall 2023
- (Ethics Module) Advanced Topics in Programming Languages, Fall 2023
- (Ethics Module) Introduction to Data Science, Fall 2023

At University of Chicago

- Sense & Sensibility & Science: Scientific Thinking in a Democracy (Co-Instructor), Spring 2024
- The Science and Philosophy of Artificial Intelligence (Designed & Sole Instructor), 2021 - 2022
- B.A. Thesis Advisor to Bobby Zhang, 2019 - 2020
- Ethics in the Digital Age (TA), Fall 2020
- Modern Logic and the Structure of Knowledge (TA), Winter 2020
- Elementary Logic (TA), Fall 2019
- Philosophy of Quantum Mechanics (TA), Winter 2019
- Computer Science Graduate Practicum Advisor, (2014 - 2017)

In the Chicago Community Colleges

- Elementary Logic (Designed & Sole Instructor), *Harold Washington College* (2011, 2012, 2013)
- Introduction to Philosophy (Designed & Sole Instructor), *Harold Washington College* (2011, 2012, 2013)
- Introduction to Ethics (Designed & Sole Instructor), *Harold Washington College* (2011, 2012, 2013)

Professional Service

- Program Committee, *Philosophy of Science Association (PSA 2026) 30th Biannual Meeting*, San Diego, CA., 2026
- Program Committee, *American Philosophical Association*, Central Division Meeting, Chicago, IL., 2026
- Program Committee, *ACM FAccT 2025*, Athens, Greece, 2025
- Co-Organized with Jacob Foster and David Krakauer: “(Re)designing AI for Diverse Disciplines” a working group meeting at the *Santa Fe Institute*, Santa Fe, NM, 2024
- Co-Organized with Harlin Lee and Rishi Sonthalia: “Networks in Science of Science” a Satellite Symposium at *NetSci 2023*, Vienna, Austria, 2023
- Co-Organized with James A. Evans and Rebecca Willett: “Trusted Intelligence in Society Workshop”, 2022 - 2023
- Co-Organized with Jeff Lockhart, Chris Esposito, and Donghyun Kang: “Social Sciences Bootcamp for Natural Scientists”, *Pritzker School of Molecular Engineering*, Chicago, IL., 2023
- Special Advisor, *University of Chicago Division of the Social Sciences*, 2021 - 2023
- Co-Organized with James A. Evans the “Technology Session” of the *American Sociological Association*, 2021
- Co-Organized with Chihway Chang, Daniel Bowring, Brian Nord: “When Technology Transforms Society: Considering the Societal and Ethical Impacts of Quantum Computing and AI” *Workshop*, Chicago, 2019
- Research Mentor *Data and Computing Summer Lab & Computation Institute Summer Internship Program*, 2014 - 2020
- Coordinator, “Seminar on Important Things”, *Committee on the Conceptual and Historical Studies of Science*, University of Chicago, 2018 - 2019

Special Advisor, *University of Chicago Research Development Services*, 2017 - 2023

Special Advisor, *ARETE*, University of Chicago, 2014 - 2017

Co-Director with Kyle Chard and Alison Brizius of the *Computation Institute Summer Internship Program*, 2014 - 2018

Co-Organized with Ian Foster and Julia Lane: "Safe data: A workshop on paradigms and platforms for safe analysis of sensitive data", a one day workshop at *eScience2017*, Auckland, New Zealand, 2017

Co-Organized with Feng Shi and Valentin Danchev: "Knowledge Networks in Science and Technology", a Satellite Symposium at *NetSci 2017*, Indianapolis, 2017

Co-Organized with Rayid Ghani and Joe Walsh: "Computational Social Science & Public Policy Colloquium", a monthly speaker series co-organized with *Knowledge Lab* and the *Center for Data Science & Public Policy*, Chicago, 2017

Chicago Innovation Exchange Advisory Group, 2013 - 2016

Co-Organized with Katy Börner and James Pringle: "Web of Science as Research Dataset", a two-day workshop organized with *Thomson Reuters*, Bloomington, 2016

Co-Organized "*B³*: Big Questions, Big Data, Big Computation", a joint conference with *Microsoft Research*, Chicago, 2016

Co-Organized with James A. Evans and Dashun Wang: "International Symposium on the Science of Science", a two-day conference held at the *Library of Congress*, Washington D.C., 2016

Organized "About Discovery Engines: Under the Hood", a monthly workshop series at the *University of Chicago's Computation Institute*, 2015 - 2016

Co-Organized, "Information, Interaction, and Influence", a two-day workshop co-organized with *Knowledge Lab* and *Digital Science* at the University of Chicago, 2014

Co-Organized with *hack@uchicago*, "Fall 2014 Hackathon", a two-day, data science focused, event featuring tools and techniques workshops. Chicago, 2014

Co-Organized "In the Loop: A City Data and Digital Manufacturing STEM Learning Project", a 6 week course on computer programming, data analysis, and digital fabrication for Chicago high school students. Chicago, 2014

Public Philosophy

"Will Robots Dream of Us" with Tom Pashby, *Night Owls*, University of Chicago, 2024

Peer Review(er)

Proceedings of the National Academy of Sciences (PNAS) | Nature Human Behavior | Philosophy of Science | British Journal for the Philosophy of Science (BJPS) | Synthese | Philosophical Quarterly | Minds and Machines | Philosophy & Technology | Philosophy Compass | European Journal for Philosophy of Science (EJPS) | American Journal of Sociology (AJS) | PLoS One | ACM FAccT | Patterns | National Science Foundation (NSF)

Media Coverage of Research

“Called Back to the Office? How You Benefit from Ideas You Didn’t Know You Were Missing”, *Working Knowledge*, 2024

“Citation counts reinforce the influence of highly cited papers and nudge us towards undervaluing those with fewer”, *The London School of Economics: Impact Blog*, 2022

“FAREED’S TAKE: Democrats win with a big tent”, *CNN*, 2020

“Finding Wisdom in Politically Polarized Crowds”, *Nature: Behind the Paper*, 2019

“Are Politically Diverse Teams More Effective?”, *Harvard Business Review*, 2019

“Wikipedia and the Wisdom of Polarized Crowds: A lesson in how to break out of filter bubbles”, *Nautilus*

“The Wisdom of Crowds Requires the Political Left and Right to Work Together”, *Scientific American*

“Wikipedia encourages healthy debate among people with different political views”, *Daily Mail*, 2019

“Wikipedia’s civil wars show how we can heal ideological divides online”, *New Scientist*, 2019

“Academics cite work they don’t know particularly well”, *Times Higher Education*, 2018

“Testing Economics From the Celestial Observatory”, *UChicago News*, 2016

“Science of Peer Review”, *PLOScast*, 2016

“Science of Science”, *PLOScast*, 2016

“The Impact of Open Access Scientific Knowledge”, *Brookings TechTank*, 2016

“Why Wikipedia + Open Access = Revolution”, *X_b MIT Technology Review*, 2015

“Wikipedia, open access and knowledge dissemination”, *OpenScience.com*, 2015

“Wikipedia is significantly amplifying the impact of Open Access publications”, *The London School of Economics: Impact Blog*, 2015

Technical Skills

Python, R, HPC for Big Data, L^AT_EX

Languages

Natural: English (Native) | German (Working)

Other Employment

Founder, *Philosophic Ai*, 2015 - Present

Special Advisor, *Knowledge Lab*, University of Chicago, 2017 - 2023

Executive Director, *Knowledge Lab*, University of Chicago, 2013 - 2017

Co-Founder and CTO, *Practice Prism*, 2015 - 2017

Administrator, *The Metaknowledge Research Network*, 2013 - 2016

Co-Founder and CEO, *SwiftDates, LLC.*, 2012 - 2013

Sr. Director, *HR-Meter International*, 2007 - 2013

Instructor of Philosophy, *Harold Washington College*, 2012 - 2013

References

Available upon request

West Lafayette, Indiana
Last updated: recently enough...