

Jared Neumann

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Education

PhD History and Philosophy of Science and Medicine Indiana University - Bloomington Bloomington, IN	2016-present
• <u>Minor</u>: Computational Linguistics, Pure & Applied Logic • <u>Dissertation</u>: <i>Lexical, Semantic, and Conceptual Dynamics in the History and Philosophy of Science: A Corpus-based Approach</i>	
MA History of Science, Medicine, and Technology University of Oklahoma Norman, OK	2012-2014
BA (Honors) Philosophy; History of Science, Medicine, and Technology University of Oklahoma Norman, OK	2008-2012

Work History

Machine Learning Engineer Interos, Inc. Arlington, VA Remote	2023-present
• Researched, developed, deployed, and maintained high-precision and high-recall machine learning models for classification and information extraction from natural language sources • Created high-quality datasets from generated and real-world sources • Built a comprehensive library of fine-grained metrics for evaluating model performance against human or machine annotation • Created and maintained a Tableau dashboard for the metrics • Manually and automatically generated regular reports for stakeholders • Developed and implemented strategies for integrating large language models into our ML pipelines	
Associate Machine Learning Engineer (NLP) Interos, Inc. Arlington, VA Remote	Apr. 2022-Dec. 2022
Apprentice Machine Learning Engineer (NLP) Interos, Inc. Arlington, VA Remote	Jan. 2022-Mar. 2022
Associate Instructor , History and Philosophy of Science Indiana University - Bloomington Bloomington, IN	2017-2022
Director , Center for Academic Success Cameron University Lawton, OK	2014-2016
• Developed the center's mission as its first director • Tutored all general education subjects, but esp. metacognitive skills • Managed several student tutors	
Editorial Assistant , Isis Current Bibliography of the History of Science University of Oklahoma Norman, OK	2012-2014
Editorial Assistant , Charles Kingsley Correspondence Project	2012-2014

University of Oklahoma Norman, OK	
Tutor , Project Threshold	2011-2012
University of Oklahoma, TRiO Programs Norman, OK	

Teaching

Associate Instructor , COLL X101 Cyberpunk History and Philosophy	Fa
Indiana University - Bloomington Bloomington, IN	2020
Associate Instructor , COLL C104 What Every Scientist Should Know	Fa, Sp
Indiana University - Bloomington Bloomington, IN	2020, 2022
Associate Instructor , COLL C104 Observation and Experiment	Fa
Indiana University - Bloomington Bloomington, IN	2019
Associate Instructor , HPSC X102 Revolutions in Science: Plato to NATO	Fa & Sp
Indiana University - Bloomington Bloomington, IN	2018-2020
Instructor , UNIV 2001 Strategies for Academic Success	Su
Cameron University Lawton, OK	2015
Instructor , UNIV 1113 Study Strategies for College Success	Fa & Sp
Cameron University Lawton, OK	2014-2016

Service

Co-Chair & Social Coordinator , Graduate Student Association	2019
Indiana University Bloomington, IN	
Program Coordinator , Fast-Track Program	2016
Cameron University Lawton, OK	
Committee Member , Institutional Assessment Committee	2015-2016
Cameron University Lawton, OK	
Treasurer , History of Science Association	2013-2014
University of Oklahoma Norman, OK	
Secretary , History of Science Association	2012-2014
University of Oklahoma Norman, OK	
Tutor , Madison Elementary School	2011
University of Oklahoma Honors College Norman, OK	
Editor , The Honors Undergraduate Research Journal	2009-2010
University of Oklahoma Honors College Norman, OK	

Honors & Awards

Interos Hackathon 2022, 2nd place	Fall 2022
Mellon Sawyer Seminar Dissertation Research Fellowship	2020-2021
Indiana University Bicentennial Grant	Spring 2020
Linda Hall Resident Fellow	2019-2020
Richard S. Westfall Fellowship	Fall 2018

IU College of Arts and Sciences Travel Award	2018 & 2019
CSHPS Travel Grant	Spring 2018
IU Graduate Fellowship	2016-2017
CU Outstanding Support Award (“Essential Piece” Award)	2015-2016
OU Graduate Research and Performance Day, Second-place Award	Spring 2014
OU Bizzell Library Research Grant	Spring 2013
OU Graduate Research and Performance Day, Second-place Award	Spring 2013
OU Undergraduate Research Day, First-place Award	Spring 2012

Conferences

- Neumann, Jared.** “Richard Whately on the Methodological Continuum of the Sciences,” Integrated History and Philosophy of Science 8. Virginia Tech, Blacksburg, VA. 2020. Online due to COVID-19.
- Neumann, Jared.** “The Interconnected Progress of Language, Mind, and Science,” *The Dynamics of Scientific Methods and Methodologies Workshop*. Indiana University, Bloomington, IN. 2019.
- Neumann, Jared.** “Deductive Savages: The Oxford Noetics on Logic and Scientific Method,” *16th International Congress on Logic, Methodology and Philosophy of Science and Technology* (CLMPST). Prague, CZ. 2019.
- Neumann, Jared.** “Theories of Rationality: Failures to Unify Logical and Physical Discovery in the Nineteenth Century,” *Midwest Junto*. Linda Hall Library, Kansas City, MO. 2019.
- Neumann, Jared.** “Inanimate Reason: Charles Tomlinson and the Nineteenth-Century Reception of Wolfgang von Kempelen’s Chess-Playing Automaton,” *Special Interest Group in Computer and Information Sciences*. St. Louis, MO. 2018.
- Neumann, Jared.** “Richard Whately’s *Elements of Logic* and Its Popular Discontents,” *Canadian History and Philosophy of Science Society*. Regina, SK, CA. 2018.
- Neumann, Jared.** “The Philosophy of Victorian Induction: William Whewell and Augustus De Morgan.” *Graduate Research and Performance Day*. The University of Oklahoma National Weather Center, Norman, OK. March 2014.
- Neumann, Jared,** and Royline Williams-Fontenelle. “Current Data Entry Methods.” *Isis CB 2.0 Conference*. The University of Oklahoma History of Science Collections, Bizzell Library, Norman, OK. 13 April 2013.
- Neumann, Jared.** “The Charles Kingsley and Thomas Huxley Correspondence: The Scope and Nature of Science in 1860.” *Graduate Research and Performance Day*. The University of Oklahoma National Weather Center, Norman, OK. March 2013.
- Neumann, Jared.** “Lullian Circles: Methodology.” *Undergraduate Research Day*. The University of Oklahoma College of Continuing Education, Norman, OK. March 2012.

Fellowships & Grants

- Indiana University/Mellon Foundation.** “Rigor: control, analysis and synthesis in historical and systematic perspectives,” *Mellon Sawyer Seminar Dissertation Research Fellowship*.

Neumann, Jared. “The History of Science at IU Exhibition.” *Indiana University Bicentennial Grant*. Indiana University, Bloomington, IN. Spring 2020.

Neumann, Jared. “The Discovery of Truth in Victorian Logic and Philosophy of Science.” *Doctoral Residential Fellowship*. Linda Hall Library, Kansas City, MO. July 1, 2019 to July 31, 2019 & May 1, 2020 to May 31, 2020.

Neumann, Jared (PI) and Usef Faghihi. “Backword: A Resource for Lexical Disability and Electronic Lexicography.” *Science and Technology Undergraduate Research Enhancement Grant*. Cameron University, Lawton, OK. 2015.

Publications

Neumann, Jared, ed. *Mathematics in Nineteenth-Century Britain*. Vols. I-IV. Routledge. Under Contract.

Neumann, Jared. *Augustus De Morgan, William Whewell, and the Nomenclature and Meaning of Victorian Induction*. MA thesis, The University of Oklahoma, 2014. Print. Archived in The University of Oklahoma Bizzell Library.

Editing

Weldon, Stephen, **Jared Neumann**, and Royline Williams-Fontenelle (Eds.). *Isis Current Bibliography of the History of Science and Its Cultural Influences* (2013). Print.

Weldon, Stephen, **Jared Neumann**, and Royline Williams-Fontenelle (Eds.). *Isis Current Bibliography of the History of Science and Its Cultural Influences* (2012). Print.