

Suzanne Kawamleh

Department of Philosophy | Indiana University | skawamle@iu.edu
www.suzannekawamleh.com

Education

- Ph.D. Indiana University (2023, expected)
“In Models We Trust: The Epistemology and Ethics of Computational Science”
Dissertation Chairs: Elisabeth Lloyd & Gary Ebbs
Committee Members: Jutta Schickore, Kirk Ludwig, Greg Lusk
- MA Department of Philosophy, Indiana University (2017)
Department of History & Philosophy of Science & Medicine (2017)
- BA (Hon) Philosophy, Chemistry, Valparaiso University (2014)

Research Areas

AOS: History and Philosophy of Science, Epistemology and Ethics of Data Science, Environmental Philosophy, Bioethics

AOC: Logic, Ethics, History and Philosophy of Technology, Epistemology,

Publications

Journal Articles

- 2022 Kawamleh, Suzanne. "Confirming (climate) change: a dynamical account of model evaluation." *Synthese* 200, no. 2 (2022): 1-26.
- “Artificial Tradeoffs in Artificial Intelligence: Prediction and Explanation in Medical AI.” (Under Review).
- “Whose Autonomy? Ophthalmology Between Machine Independence and Human Intervention.” (In-prep).
- 2021 Kawamleh, Suzanne. "Can Machines Learn How Clouds Work?: The Epistemic Implications of Machine Learning Methods in Climate Science." *Philosophy of Science*.

Public Scholarship

- 2021 “Comprehensive Climate Action Plan”, Department of Sustainability and Environmental Affairs, City of Gary, IN, August 1st
- 2017 *The Daily Ant, Philosophy Phridays: Ants & NGOs*
<https://dailyant.com/2017/08/04/philosophy-phriday-ants-and-ngos/>

Fellowships, Grants, and Awards

2022-2023 College of Arts and Sciences Dissertation Completion Fellowship

2021 Collins LLC Teaching Award

2020-2021 James M. and Anthony J. Moss Dissertation Fellowship (\$17,000)

2020 Oscar Ewing Essay Prize

2019- 2020 Herman B. Wells Graduate Fellowship (\$42,000)

The fellowship is awarded each year to one student who demonstrates the qualities for which Chancellor Wells was renowned: leadership abilities, academic excellence, character, social consciousness, and generosity of spirit. The Wells Fellowship is the University's most prestigious academic award.

2017-2018 John H. Edwards Fellowship (\$25,000)

The fellowship is awarded to a student with an extraordinary record of voluntary public service, exemplary character, superior scholastic ability, and intellectual capacity that promises dividends for society.

2017-2018 Clark Outstanding Associate Instructor Award

The Bo and Lynn Clark Outstanding AI award is based on faculty nominations, student evaluations, and classroom observations. The award is intended to recognize outstanding contributions to the department's teaching mission by an Associate Instructor.

2014-Present Phi Beta Kappa, National Academic Honor Society

2013 John & Dorothea Helms Endowed Scholarship (Latin), Greek and Roman Studies Program, Valparaiso University

2010-2014 Presidential Scholar, Academic Excellence Scholarship (\$80,000), Valparaiso University

Largest merit-based scholarship for students demonstrating exceptional high school achievement.

Digital Humanities Research

2021-Present Rega Wood's Richard Rufus Project

I use Python programs to prepare the rediscovered latin manuscripts of medieval philosopher, Richard Rufus, for latent semantic analysis. This includes cleaning, stripping, and lemmatizing the files (reducing declined/conjugated latin words to their roots, or lemmas) as well as building a dictionary of terms and their respective lemmas, or roots. Our goal is to be able to use mathematical analysis to determine which passages have the most shared vocabulary and thus facilitate the discovery of parallel text across different manuscripts.

Teaching Experience, International Development, & Pedagogy

Teaching Experience

Indiana University, Instructor of Record

- 2021 Philosophy, Literature and Climate Change (Fall)
Course designed for the interdisciplinary Collins Living-Learning Center
- 2021 Applied Ethics (Summer)
- 2018 Business & Morality (Fall)

Butler University, Instructor of Record

- 2019 Principles of Reasoning, 2 sections (Spring)

Indiana University, Associate Instructor

- 2022 Philosophical Methods and Writing (Spring)
- 2017 Introduction to Ethics (Spring)
- 2016 Elementary Logic (Fall)
- 2016 Introduction to Philosophy (Spring)
- 2015 Critical Thinking (Fall)

Pedagogy

Indiana University's Center for Innovative Teaching and Learning (CITL) has designed the Graduate Teaching Apprenticeship Program in Higher Education (GTAP). The following courses were completed through CITL pursuant of GTAP certification. The aim of this program is to expand pedagogical knowledge, skill, and leadership.

- 2020 Cultivating Active Learning Environments in On-Campus and Online Classrooms, August 26th
- 2020 A Short Course in Lesson Design: Overcoming Student Learning Bottlenecks, July 13th-29th
- 2020 Decolonizing the Curricula: Revolutionizing our Syllabi and Classrooms, July 7th
- 2020 Creating Writing Assignments that Encourage Students to Produce Their Best Work, May 1st
- 2018 Excellence in Teaching, August 7th-14th

International Development in Higher Education

- 2015-Present Education Program Director, Promise for Relief and Human Development (PRHD)

As Educational Program Director for PRHD, I work to provide higher educational opportunities to internally displaced populations and to establish sustainable institutions of higher education in various provinces of war-torn Syria.

Grants

- 2018 I proposed and secured a grant from the Syrian-American Engineers Association to establish an electrical engineering laboratory for our students in Nawa, Daraa. This laboratory provides engineering

students with the facilities and supplies to carry out experiments, prepare sketches, and test different designs.

2016 I secured a grant from and partnered with Valparaiso University and Syrian American Medical Society to establish Hope Underground, a 2-year Medical Training Institute in Ghouta, Syria that equips students with the scientific and technical skills to address the shortage of medical personnel in local field hospitals and clinics.

Mentorship

2017-Current I mentored 25 Syrian students through the application process and coursework at the accredited nonprofit online university, University of the People.

Leadership

2017 I served as the PRHD representative and Higher Education Advocate at the American Forum for Syria Policy in Washington DC.

2017 I served as the Higher education representative for Free Syria Political Action Committee. In that role, I acted as a liaison between 15+ US non-profit organizations and the Qatar Fund for Development.

2015-2017 I managed Promise College's curriculum development in accordance with the Syrian Ministry of Higher Education and in collaboration with the University of Aleppo.

2015-2017 I led and managed a diverse team of grassroots activists, philanthropists, higher education leaders, and community members to establish Promise College in southern Syrian which serves 1,836 students in a variety of disciplines

Visiting Appointments

2019 Visiting Scholar, Computational and Information Systems Laboratory (CISL), National Center for Atmospheric Research (Summer)

2019 Visiting Scholar, Philosophy and Physical Computing Workshop, Virginia Tech (Summer)

Conferences, Workshops and Presentations

2022 "Artificial Tradeoffs in Artificial Intelligence," The 28th Biennial Meeting of the Philosophy of Science Association, Pittsburgh PA, November 10-13th

2021 "*Can machines learn how clouds work?* The Epistemic Implications of Machine Learning Methods in Climate Science," The 27th Biennial Meeting of the Philosophy of Science Association, Baltimore MD, November 12th

- 2021 “Comments on: The Fate of Tensor-Vector-Scalar Modified Gravity,” Indiana Philosophical Association, November 13th
- 2021 “The (Climate) Data Revolution: How Machine Learning Methods Impact Climate Model Uncertainty Assessment,” PSX6: Philosophy of Scientific Experimentation 6 (September 25th 2020, postponed)
- 2020 “Can Machines Learn Convection? The epistemic implications of machine-learning parameterizations in climate science,” Data Science in Climate and Climate Impact Research: Conceptual Issues, Challenges, and Opportunities, August 20th
- 2020 “Comments on: Why and how explanations matter: connecting moral and technical dimensions of algorithmic decision-making,” Athena in Action: A Networking and Mentoring Workshop for Graduate Women in Philosophy, June 17th
- 2020 “In Models We Trust: An Account of Climate Model Credibility,” Canadian Society for the History and Philosophy of Science (cancelled), May 30th
- 2020 “Comments on: Virtues, Values, and Counterfactuals in Science,” American Philosophical Association, Chicago, IL, February 28th
- 2020 “In Models We Trust: Climate Models and Their Evaluation,” Community Colloquium, Valparaiso University, Valparaiso IN, January 23rd
- 2018 “Rebuilding Campus: The promise of higher education in war-torn Syria,” TED*ValparaisoUniversity, Valparaiso IN, January 19th
- 2019 “Interpreting Multi-Model Agreement for Uncertainty Interpretation,” American Geophysical Union, San Francisco, CA, December 13th
- 2019 “Credibility & Confidence in Climate Science,” Indiana University HPSC&M Women’s Leadership Conference, Bloomington IN, October 26th
- 2017 Invited Talk: “Islamic Hadith: Epistemology & the Quest for Authenticity,” Hope College, Philosophy Department Symposium, Holland MI, November 16th
- 2017 Invited Talk: “Grassroots Model of Higher Education in Syria”, Syrian American Medical Society 4th Annual Symposium, NYC New York, October 7th
- 2013 “*Who Would Jesus Kill?* Just War Theory in the Christian Tradition

"National Conference on Undergraduate Research, Lacrosse, WI,
April 12th

Professional Memberships

2017-Present	Philosophy of Science Association
2017-Present	American Philosophical Association
2019-Present	American Geophysical Union

Languages

English (Native)
Arabic (Native)
Ancient Greek (Working Proficiency)
Latin (Working Proficiency)
French (Limited Working Proficiency)