

Nathan Gabriel | Curriculum Vitae

✉ nathangabriel@ucmerced.edu • 🌐 nathanlgabriel.github.io/

Education

University of California Irvine

PhD, Philosophy, Department of Logic and Philosophy of Science 2018–2023

University of California Irvine

MA, Social Sciences, Center for Theoretical Behavioral Sciences 2018–2023

University of Houston

MA, Philosophy, 2016–2018

Rice University

BA, Mathematics, 2008–2013

Academic Employment

University of California Merced

Postdoctoral Scholar 2023–present

Conducted research on social identity signaling, specifically when people have multiple complex identities. This included developing a formal model, writing code for simulating the model, and producing a working draft that explains the model and the outcomes it produced. Supported by NSF grant: BCS-2241823.

Teaching

University of California Irvine

Associate Instructor summer 2023

Taught LPS 31 Introduction to Inductive Logic.

University of California Irvine

Graduate Student Researcher summers 2021, 2022

Conducted research on polarization of beliefs in epistemic networks. Research was supported by NSF grant 1922424: Consensus, Democracy, and the Public Understanding of Science.

University of California Irvine

Teaching Assistant 2019–2023

Taught discussions sections, graded, and gave review sessions for exams.

Selection of classes taught:

- LPS 29 Critical Reasoning
- LPS 30 Intro to Symbolic Logic
- LPS 31 Intro to Inductive Logic
- PSYCH 7A Intro to Psychology
- PSYCH 9A Psych Fundamentals

University of Houston

Teaching Assistant 2017–2018

Held office hours, graded, and gave review sessions for exams.

Selection of classes taught:

- PHIL 1301 Introduction to Philosophy
- PHIL 1321 Logic 1

Publications

- [1] Nathan Gabriel and Cailin O'Connor. Can confirmation bias improve group learning? *Philosophy of Science*, 91(2):329–350, 2024.
- [2] Nathan Gabriel. Pyow-hack: Ordered compositions in Lewis-Skyrms signaling games. *Erkenntnis*, 2023.
- [3] Liam K Bright, Nathan Gabriel, Cailin O'Connor, and Olufemi Taiwo. On the stability of racial capitalism. *Ergo*, 2022.
- [4] Jeffrey A. Barrett and Nathan Gabriel. Reinforcement with iterative punishment. *Journal of Experimental & Theoretical Artificial Intelligence*, 2022.

Under Review

Three People Make a Tiger: Illusory Truth in Epistemic Networks Nathan Gabriel

Works in Progress

The Emergence of Group Identity Topologies in the Generalized Bach or Stravinsky Game Nathan Gabriel and Paul E. Smaldino

Franco-Sicilian Abstraction: transpositions, transitivity and transfer learning with Lewis-Skyrms signaling games Nathan Gabriel

Posters and Presentations

Workshop on Modeling and Applications of Evolutionary Game Theory presentation, "Franco-Sicilian Abstraction"	virtual 2023
Philosophy of Science Association Conference symposium, "On the Stability of Racial Capitalism"	Pittsburgh 2022
Philosophy of Science Association Conference poster, "Confirmation Bias and Illusory Truth in Epistemic Networks"	Pittsburgh 2022
Formal Epistemology Workshop poster, "Confirmation Bias and Illusory Truth in Epistemic Networks"	Irvine 2022
Philosophy of Science Association Conference poster, "Can Confirmation Bias Improve Group Learning?"	Baltimore 2021
Formal Epistemology Workshop poster, "A How-Possibly Model of Putty-nosed Monkey Alarm Calls"	Irvine 2020

Service

UC Merced Cognitive and Information Sciences

Mentorship for Undergraduates (MUG) Mentor

2024–present

Met regularly with mentee to provide advice on current studies and plans for applying to graduate school.

Minorities and Philosophy

MAP Representative

2021–2023

Organized talks and resources related to minorities' navigation of academic philosophy.

School on Wheels

Volunteer Tutor

2021–2023

Tutored grade school and high school children in a variety of subjects.

LPS Climate Committee

MAP Representative

2021–2023

The LPS Climate Committee is a graduate student led committee promoting diversity equity and inclusion.

UCI - End Racism Initiative

Co-leader (group 1)

2020–2021

Attended leadership training on facilitating restorative dialogue; and facilitated dialogue focused on the recruitment of Black faculty.

Prepare and Prosper

Volunteer Tax Preparer

2015

Screened and prepared tax returns for low income clients.

Samro School

Eldoret, Kenya

Volunteer

2013

Tutored mathematics for junior high school students, assisted with the development of a school computer lab, taught chess and organized tournaments for students who previously had no exposure to the game.

Awards and Fellowships

- Division of Teaching Excellence and Inclusion Summer Fellowship (UCI, Summer 2022)
- Social Science Merit Fellowship (UCI, 2018-2024)
- Herbert Lehman Scholarship (NAACP Legal Defense and Educational Fund, 2008-2012)
- Trustees' Distinguished Scholarship (Rice University, 2008-2012)
- African-American Scholars Program (University of Notre Dame, Summer 2007)