

# Nathan Gabriel | Curriculum Vitae

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## Education

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### 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

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### 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.

## Publications

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- [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 Olúfémi O. Táíwò. 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*, 36(7):1361–1383, 2022.

## Under Review

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

## Works in Progress

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*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

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

## Teaching

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<b>University of California Irvine</b> <i>Associate Instructor</i> Taught LPS 31 Introduction to Inductive Logic.	<i>summer 2023</i>
<b>University of California Irvine</b> <i>Graduate Student Researcher</i> Conducted research on polarization of beliefs in epistemic networks. Research was supported by NSF grant 1922424: Consensus, Democracy, and the Public Understanding of Science.	<i>summers 2021, 2022</i>
<b>University of California Irvine</b> <i>Teaching Assistant</i> Taught discussions sections, graded, and gave review sessions for exams. Selection of classes taught: <ul style="list-style-type: none"><li>○ LPS 29 Critical Reasoning</li><li>○ LPS 30 Intro to Symbolic Logic</li><li>○ LPS 31 Intro to Inductive Logic</li><li>○ PSYCH 7A Intro to Psychology</li><li>○ PSYCH 9A Psych Fundamentals</li></ul>	<i>2019–2023</i>
<b>University of Houston</b> <i>Teaching Assistant</i> Held office hours, graded, and gave review sessions for exams. Selection of classes taught: <ul style="list-style-type: none"><li>○ PHIL 1301 Introduction to Philosophy</li><li>○ PHIL 1321 Logic 1</li></ul>	<i>2017–2018</i>

## Service

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<b>UC Merced Cognitive and Information Sciences</b> <i>Mentorship for Undergraduates (MUG) Mentor</i> Met regularly with mentee to provide advice on current studies and plans for applying to graduate school.	<i>2024–present</i>
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**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**

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- 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)