

Jonathan Vandenburg

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Academic Employment

Stanford University

Postdoctoral Fellow, McCoy Family Center for Ethics and Society
and Apple University, 2022-present

Education

Northwestern University

Ph.D., Philosophy, 2022.

Dissertation: “Causal Models, Meaning, and Beliefs”

Committee: Sandy Goldberg, Fabrizio Cariani, Michael Glanzberg, and Lance Rips

Northwestern University

M.A., Philosophy, 2018.

University of Notre Dame

B.S., Mathematics, *magna cum laude*, 2016.

Areas of Specialization

AOS: Epistemology, Ethics, Philosophy of AI

AOC: Logic, History of Philosophy

Publications

“A Causal Safety Criterion for Knowledge,” *Erkenntnis* (2023)

<https://doi.org/10.1007/s10670-023-00678-3>

“Backtracking Through Interventions: An Exogenous Intervention Model
for Counterfactual Semantics,” *Mind & Language* **38**(4), 981-999 (2023)

<https://doi.org/10.1111/mila.12447>

“Conditional Learning Through Causal Models,” *Synthese* **199**, 2415-2437 (2021)

<https://doi.org/10.1007/s11229-020-02891-x>

In Preparation

“Machine Learning and Knowledge: Why Robustness Matters”

Draft available

“Statistical Generalization and the Ethics of Belief”

Draft available

“Deontological Reasons, Risk, and Uncertainty”
Draft available

Other Manuscripts “Triviality Results, Conditional Probability, and Restrictor Conditionals”
Available on Philpapers (2020)

“Learning as Hypothesis Testing”
Available on Philpapers (2020)

Academic Talks “Trustworthiness and Knowledge from Machine Learning”*
Philosophy of Science Meets Machine Learning, 2023

“Knowledge, Causal Safety, and Shortcuts in Machine Learning”*
Causation in Kyoto, 2023

“Counterfactuals and Algorithmic Fairness”
Philosophy, AI, and Society Workshop, 2023

“Statistical Generalization and the Ethics of Belief”
Stanford Political Theory Workshop, 2023

“A Causal Safety Criterion for Knowledge”
Stanford Logic and Formal Philosophy Seminar, 2022

“Generics, Stereotypes, and Causal Beliefs”*
Dual Character Concepts, Normative Generics, and Evaluative Language, 2022

“Learning as Hypothesis Testing”*
Prolog: Combining Probability and Logic, 2021

“A Bayesian Approach to Conditionals Without Triviality”*
European Summer School in Logic, Language, and Information (ESSLLI), 2019
(* indicates refereed talks)

Conference Participation Participant, Workshop on Teaching Professional Business Ethics
Georgetown University, 2023

Chair, “Causation, determinism, and decision-making”
Central APA, 2022

Commenter, “Might- and would-counterfactuals, indeterministic structural equations, and synchronized interventions”
Central APA, 2021

Teaching	Instructor, Northwestern University PHIL 110-CN: Intro to Philosophy, Fall 2021	
	Teaching Assistant, Northwestern University PHIL 210: History of Philosophy: Modern, Spring 2022 PHIL 260: Intro to Moral Philosophy, Fall 2019 CLASSICS 212: Rome: Culture and Empire, Spring 2019 PHIL 210: History of Philosophy: Ancient, Winter 2019 [4 sections] PHIL 254: Intro to the Philosophy of the Natural Sciences, Winter 2018 PHIL 150: Intro to Logic, Fall 2017	
Professional Service	Coordinating Panelist, Ethics and Society Review Board, 2023-24 Secondary Reader, Undergraduate Thesis (“Killer Robots on the Battlefield”), 2023 Mentor for Technology and Racial Justice Graduate Fellowship, 2023 Vice President, Northwestern Philosophy Graduate Student Association, 2020-21 TA Coordinator, Northwestern Philosophy Department, 2020-21 Reviewer for <i>Philosophical Studies</i> , <i>Synthese</i> (x3), <i>Erkenntnis</i> , <i>Linguistics and Philosophy</i> , <i>Acta Analytica</i> , and <i>Theoria</i>	
Languages and Skills	English (native), German (intermediate), French (basic), Python, MATLAB, L ^A T _E X	
References	Fabrizio Cariani Department of Philosophy University of Maryland, College Park fabrizio@umd.edu	Michael Glanzberg Department of Philosophy Rutgers University michael.glanzberg@philosophy.rutgers.edu
	Sanford Goldberg Department of Philosophy Northwestern University s-goldberg@northwestern.edu	Joshua Cohen Faculty Member Apple University joshua.cohen@apple.com
	Patricia Marechal Department of Philosophy University of California, San Diego pmarechal@ucsd.edu	