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EDUCATION

UNIVERSITY OF CALIFORNIA, DAVIS

Ph.D., Philosophy with Science & Technology Studies designated emphasis, September 2019
Dissertation: *Efficiency is a Ratio: On the Character of Electronic Digital Computers*
Advisors: James R. Griesemer and Roberta L. Millstein

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

B.A., Philosophy with Literature minor, May 1998
Phi Beta Kappa, Magna Cum Laude

AREAS OF INTEREST

History and Philosophy of Science and Technology
Philosophy of Biology
Ethics, including Bioethics
Existentialism
Composition

ACADEMIC POSITIONS

Mills College at Northeastern University: College of Social Sciences and Humanities
Lecturer, Fall 2022 - present
University of California, Davis: Department of Philosophy
Lecturer, Winter 2020 - present
California State University, Sacramento: Department of Philosophy
Lecturer, 2019-2020
California State University, Chico: Department of Philosophy
Lecturer, Spring 2020
Arizona State University: Center for Biology and Society
Visiting Scholar, Winter 2012

TEACHING EXPERIENCE

COURSES TAUGHT

- *Critical Reasoning* (UC Davis)
- *Critical Thinking* (Sacramento State)
- *History of Philosophy* (Sacramento State)
- *Introduction to Philosophy* (Chico State)
- *Introduction to Philosophy of Biology* (UC Davis)
- *Introduction to Philosophy of Science* (UC Davis)
- *Philosophy of Biology* (UC Davis)

- *Philosophy of Language* (Sacramento State)
- *Scientific Reasoning* (UC Davis)
- *Technology and Human Values* (Mills College at Northeastern University)

COURSES ASSISTED [SELECT]

- *Asian Philosophy* (UC Davis)
- *Early Modern Philosophy* (UC Davis)
- *Introduction to Bioethics* (UC Davis)
- *Introduction to Logic* (University of South Carolina)
- *Minds, Brains and Computers* (UC Davis)
- *Philosophy of Mind* (UC Davis)

PUBLICATIONS & REVIEWS

- "Daring Imagination." *The Anarchist Review of Books*. No. 4, Summer / Fall 2022.
- "An Anatomy of the World." *The Anarchist Review of Books*. No. 3, Winter / Spring 2022.
- "The e-Mouse Atlas Project (1992-)". *Embryo Project Encyclopedia* (2014-06-11). ISSN: 1940-5030 <http://embryo.asu.edu/handle/10776/7902>.

CONFERENCE PRESENTATIONS

- "Can You Help Me Fold This? Proteins, Computer Architecture, and Citizen Science."
 - Presented at the International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB), Montreal, July 2015.
 - Presented at the Annual Meeting of the Society for Social Studies of Science, Denver, Colo., November 2015.
- "How to Make Theory Travel: Methods and Modeling of Simulated Ecological Systems." Presented at the Society for Social Studies of Science (4S) annual meeting, San Diego, October 2013.
- "Trading Fiction for Performance: How to Understand Computer Simulations of Ecological Systems."
 - Presented at the International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB), Montpellier, France, July 2013.
 - Presented at the 18th International Conference of the Society for Philosophy and Technology, Lisbon, Portugal, July 2013.
- "A Problem for Biology? Comments on Organisms, Life and Unity." Presented at the Berkeley-Stanford-Davis Philosophy Conference, Davis, CA, April, 2014.
- "No Function without Abstraction, No Simulation without Silicon: How Microprocessors Place Pressure on Theories of Technical Artifacts and Canalize Science for Good Measure." Presented at UC Davis Science & Technology Studies Graduate Student Conference, University of California, Davis, March 2014.
- "How Long Will This Take? Computational Resources, Time and Energy in Protein Folding Simulations." Presented at the UC Davis-UC Santa Cruz Cultural Anthropology Graduate Research Conference, University of California, Davis, May 2013.
- "What Medical Ethnography Can Teach Philosophy About Population Biology Models." Presented at 2013 Interdisciplinary Graduate and Professional Student Symposium, University of California, Davis, April 2013

- "Not Even False: Minimalism, Metaphilosophy, Meaninglessness, and an Unsavory Sorites Solution." Presented at Intermountain West Philosophy Conference, University of Utah, March 2012.
- "What We Can Expect from Frege: A Response to Gin." Presented at Inter-mountain West Philosophy Conference, University of Utah, March 2012.

AMERICAN PHILOSOPHICAL ASSOCIATION COMMENTS

- "What Exactly is the Target? Comments on MacIntyre, Preston, and Technological Determinism." Presented at the Pacific Division Meeting of the American Philosophical Association, San Francisco, CA, March 30, 2016.
- "Tokens, Types, Causes and Criteria: A Response to Kwek on the Malfunction Problem." Presented at the Pacific Division Meeting of the American Philosophical Association, Seattle, WA, April 6, 2012.

GRANTS & FELLOWSHIPS

- UC Davis Philosophy Department Travel Grant, July 2015, October 2013, June 2013
- UC Davis Philosophy Department Fellowship for Service, Fall 2014
- International Society for History, Philosophy, and Social Studies of Biology Travel Grant, Summer 2013
- Philosophy of Science Association Travel Grant, November 2012
- NSF Embryo Project Training Fellow, Winter 2012
- Visiting Scholar, Arizona State University, Winter 2012
- UC Davis Philosophy Department Fellowship, Fall 2011

ACADEMIC SERVICE

- Creator and maintainer of philbio.net
- Graduate Student Mentor, Department of Philosophy, University of California, Davis, 2013, 2015, and 2018
- Paper Referee for 2015 Berkeley-Stanford-Davis Philosophy Conference
- Chair of Session "A Neo-Lockean Reply to Johnston" at the Berkeley-Stanford-Davis Philosophy Conference, Davis, CA, April 2014
- Chair of session at Genomics and the Philosophy of Race Workshop, University of California, Davis, March 2014
- "Microprocessors and Protein Folding, or, Are You Sure This is Philosophy?" Presented at the UC Davis Undergraduate Philosophy Club, November 2013
- Member of Organizing Committee and Panel Participant, Training and Information of Pedagogical Salience, Department of Philosophy, University of California, Davis, September 2013 and 2015
- Chair of session "Confirmation and Evidence" at the Twenty-Third Biennial Meeting of the Philosophy of Science Association, San Diego, CA, November 2012
- UC Davis Philosophy Department Social Media (Facebook/Twitter/Tumblr), 2012-2016
- UC Davis Philosophy Department Infrastructure Committee, 2011-2012, 2018-19

WORKSHOPS & RETREATS

- Participant in UC Davis Humanities Institute & Institute for Social Sciences Dissertation Workshop and Retreat, Berkeley, CA, April 13-14, 2018. (Funded)
- Participant in STS Southern California Winter Retreat, Anza-Borrego Desert, Borrego Springs, CA, Feb. 22-24, 2013. (Funded)
- Participant in MBL-ASU HPS Informatics Workshop, Woods Hole, MA, April 12-15, 2012. (Funded)

GRADUATE STUDENT RESEARCHER APPOINTMENTS

- Graduate Student Researcher, Department of Philosophy, UC Davis, Summer 2017
- Encyclopedia of Women and Islamic Cultures, Graduate Student Researcher for Prof. Suad Joseph, Department of Anthropology, UC Davis, 2015-16
- Undergraduate Instructional Improvement Program Grant, "Revising PHI 31: Pedagogical Innovation for Hybrid Online and Active-learning Instruction in Understanding and Appraising Scientific Reasoning," Graduate Student Researcher for Prof. James Griesemer, Department of Philosophy, UC Davis, Summer 2013

EDITORIAL EXPERIENCE

DAILY REPUBLIC NEWSPAPER (FAIRFIELD, CALIF.)

- News Editor, 2008-10
- Assistant News Editor, 2005-08
- Copy Editor & Page Designer, 2003-05
- Columnist & Book Reviewer, 2002-06
- Staff Writer, 2001-03

ESSAYS & ADDITIONAL REVIEWS

- "There is No Future Tree; Or Time Works the Way You Think It Does," *The Montréal Review* (June 2016)
- "Slacker Madness," review of *Doing Nothing: A History of Loafers, Loungers, Slackers and Bums in America* by Tom Lutz in *Sacramento News & Review*
- "About the Nation," review of *A Matter of Opinion* by Victor S. Navasky in *Sacramento News & Review*
- "About a Boy," review of *Extremely Loud and Incredibly Close* by Jonathan Safran Foer in *Sacramento News & Review*
- "A Poet's Prose," review of *Cutty, One Rock: Low Characters and Strange Places, Gently Explained* by August Kleinzahler in *Sacramento News & Review*

TECHNICAL EXPERIENCE

Languages: bash, CSS, HTML, Markdown, PHP, TeX, Wiki Markup

Operating Systems: FreeNAS, GNU/Linux, macOS, PC-BSD, Windows XP/Vista/7/10

Content Management Systems: MediaWiki, phpBB, Plone, Squarespace, Weebly, Wordpress