

NORA MILLS BOYD

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I am an Assistant Professor in the Philosophy Department at Siena College, a small independent liberal arts college just north of Albany, NY that is committed to building a world that is more just, peaceable, and humane.

RESEARCH AREAS

Areas of Specialization

Philosophy of Science, Philosophy of Astrophysics and Cosmology, Philosophy of Experiment

Areas of Concentration

History and Philosophy of Physics, Epistemology, Philosophy of Environmental Science

EDUCATION

University of Pittsburgh

April 2018

Ph.D. in History and Philosophy of Science

Dissertation: *Scientific Progress at the Boundaries of Experience*

Committee: John D. Norton (chair), Robert Batterman, James Woodward, and Christopher Smeenk (Western)

University of Waterloo, Ontario

October 2010

M.A. in Philosophy

Advisors: Doreen Fraser, Patricia Marino, and Steve Weinstein

University of British Columbia

May 2008

B.Sc. in Physics & Philosophy

PUBLICATIONS

Book

Boyd, Nora Mills. 2021. Cambridge University Press Series: *Epistemology of Experimental Physics* (Element in the Philosophy of Physics). Cambridge: Cambridge University Press. <https://doi.org/10.1017/9781108885676>

Edited Volume

Boyd, Nora Mills, Siska De Baerdemaeker, Kevin Heng, and Vera Matarese, eds. 2023. *Philosophy of Astrophysics: Stars, Simulations, and the Struggle to Determine What is Out There*. Springer Cham, Synthese Library Series. Open access!

Chapter in Edited Volume

Boyd, Nora Mills. 2023. "Laboratory Astrophysics: Lessons for Epistemology of Astrophysics." In *Philosophy of Astrophysics: Stars, Simulations, and the Struggle to Determine What is Out There*, edited by Nora Mills Boyd, Siska De Baerdemaeker, Kevin Heng, and Vera Matarese, 13-32. Springer Cham, Synthese Library Series. Open access!

Articles

Boyd, Nora Mills and Dana Matthiessen. 2024. "Observations, Experiments, and Arguments for Epistemic Superiority in Scientific Methodology." *Philosophy of Science*. 91(1): 111-131 Preprint on PhiSci-Archive

- Boyd, Nora Mills and Matthew Davis. 2021. “Neighbors Help in a Pandemic.” *Erasmus Journal for Philosophy and Economics* 14(1): 33-46. Open Access!
- The KATRIN Collaboration et al. 2021. “The design, construction, and commissioning of the KATRIN experiment.” *Journal of Instrumentation* 16: T08015. Open access!
- De Baerdemaeker, Siska and Nora Mills Boyd. 2020. “Jump ship, shift gears, or just keep on chugging: Assessing the responses to tensions between theory and evidence in contemporary cosmology.” *Studies in History and Philosophy of Science Part B: Studies in History and Philosophy of Modern Physics* 72: 205-216. Preprint on PhilSci-Archive
- Boyd, Nora Mills. 2018. “Evidence Enriched’.” *Philosophy of Science* 85(3): 403-421. Preprint on PhilSci-Archive
- Amsbaugh, J. F. et al. 2015. “Focal-plane detector system for the KATRIN experiment.” *Nuclear Instruments and Methods in Physics Research A* 778: 40-60. Preprint at arXiv:1404.2925
- Wall, B. L. et al. 2014. “Dead layer on silicon p-i-n diode charged-particle detectors.” *Nuclear Instruments and Methods in Physical Research A* 744: 73-79. Preprint at arXiv:1310.1178
- Bacrania, M. et al. 2007. “Search for the second forbidden β decay of 8B to the ground state of 8Be .” *Physical Review C* 76: 055806. Preprint at arXiv:0710.5197v2

Encyclopedia Entries

- Boyd, Nora Mills and James Bogen. “Theory and Observation in Science.” *The Stanford Encyclopedia of Philosophy (Summer 2021 Edition)*, Edward N. Zalta (ed.).
- Boyd, Nora Mills. 2022. “Data and Phenomena.” *SAGE Encyclopedia of Theory in Science, Technology, Engineering, and Mathematics*, James Mattingly (ed.). SAGE Publishing. Info here.

Book Reviews

- Boyd, Nora Mills. 2020. “Two many demons, not enough details” *Metascience*. <https://doi.org/10.1007/s11016-020-00502-6>
- Boyd, Nora Mills. 2017. “Franklin’s Field Guide to Scientific Experiments” *Philosophy of Science* 84(3): 586-594. <https://doi.org/10.1086/692149>

TALKS & CONFERENCE PARTICIPATION

“Duds and Discrepancies: Suggestive Astrophysical Anomalies as Sites of Epistemic Progress”

- 28th Biennial PSA, Conference of the Philosophy of Science Association
Pittsburgh, PA, USA November 11, 2022

“Kitchen Sink Calibration and the Crucial Commissioning Phase”

- Invited talk for the Allan Franklin New Ideas Lecture Series
University of Colorado, Boulder October 14, 2022

“Calibrating Cosmic Dark Age Instruments”

- 9th Biennial SPSP, Conference of the Society for Philosophy of Science in Practice
Ghent, Belgium July 3, 2022

“‘Stellar’ Experiments and Bad Jokes: On the Purported Epistemic Inferiority of Non-Experimental Sciences”

- Keynote Lecture for “Reasoning in the Historical Sciences”, the Spring 2022 HPSTV Graduate Conference, the Annual Conference of the History and Philosophy of Science Program
University of Notre Dame March 25, 2022

“The Experimenters’ Regress, Calibration, and the Role of Commissioning in the Epistemology of Experiment”

- Invited talk for the PhilSci India Winter School Dec 13, 2021

“Do’s and Don’ts from DES: Epistemic Challenges in Combining Constraints from Multiple Dark Energy Probes”

- Invited talk for the Philosophy of Lambda Workshop, Lichtenberg Group for History and Philosophy of Physics
University of Bonn June 16, 2021

“Enigma Variations: Bottle, Beam, Both”

- Invited talk for the Kinds of Constants
University of Edinburgh April 7, 2021

“Empiricism with Enriched Evidence”

- Invited talk for the Reconsidering Empiricism in the Philosophy of Science workshop, video of my talk here
University of Bristol April 1, 2021

“Constraining the Unknown”

- 16th International Congress on Logic, Methodology and Philosophy of Science and Technology
Czech Technical University, Prague August 6, 2019
- Invited talk for the “Scientific Theory Construction: Measurement and Constraints” workshop
University of Montreal May 4, 2018

“Astrophysical Evidence: Observation and Intervention are Irrelevant”

- Invited talk for “The Concept of Evidence in Astrophysics: An international workshop on philosophical approaches to evidence and data in astrophysics”
Complutense University, Madrid June 21, 2019

“Evidence Enriched”

- 93rd Meeting of the American Philosophical Association (APA) Pacific Division
Vancouver, BC April 20, 2019
- CSHPS, Conference of the Canadian Society for the History and Philosophy of Science
Ryerson University May 27, 2017

“Zombie Data from Babylon”

- 26th Biennial PSA, Conference of the Philosophy of Science Association, invited in the “Methodologies of Integration” session Sponsored by the Committee for Integrated HPS
Seattle, WA November 1, 2018
- &HPS7 “The Evolution of Knowledge”, 7th International Conference on Integrated History and Philosophy of Science
Hannover University July 6, 2018

“Repurposing Historical Astronomical Data”

- 7th Biennial SPSP, Conference for the Society for Philosophy of Science in Practice
Symposium: “Philosophy of Astrophysical Practice”
University of Ghent July 2, 2018

“Retracing Evidence”

- 6th Biennial SPSP, Conference for the Society for the Philosophy of Science in Practice
Symposium: “Securing Science in a Protean World”
Rowan University June 19, 2016

- “Are Astrophysical Models Permanently Underdetermined?”**
- VIII SLMFCE, Conference of the Spanish Society for Logic, Methodology and Philosophy of Science
Universitat de Barcelona July 9, 2015
- CaMitS, Causality and Modeling in the Sciences
UNED Madrid July 1, 2015
- Southern California Philosophy of Physics Reading Group
UC Irvine June 6, 2015

- “The Birth of the Universe, Chalked up to Dust”**
- ND XII, Twelfth Biennial History of Astronomy Workshop
Invited panel: “Epistemology and Authority in Cosmology”
University of Notre Dame June 27, 2015

- “Why Spectroscopy Went South”**
- Historical Astronomy Division of the 225th American Astronomical Society meeting
Seattle, WA January 5, 2015

- “Equivalence Principle Tests”**
- PSX4, Philosophy of Scientific Experimentation 4
Center for Philosophy of Science, University of Pittsburgh April 12, 2014

- “It is a good thing for every man to know a little about astronomy; it will make him a better man”**
- NDXI, Eleventh Biennial History of Astronomy Workshop
University of Notre Dame June 15, 2013

- “How to Kill a Phoenix: Problems for an Eternal Cyclic Model of the Universe”**
- IPP, Irvine-Pittsburgh-Princeton Conference on the Mathematical and Conceptual Foundations of Physics
Center for Philosophy of Science, University of Pittsburgh April 4, 2013

- “Stripper Foil Longevity”**
- SNEAP, Symposium of North Eastern Accelerator Personnel
Knoxville, TN October 18, 2011

- “Truth and the Shape of Space: Trouble for Deflationists in the Application of Mathematics”**
- CSHPS, Conference of the Canadian Society for the History and Philosophy of Science
Concordia University May 28, 2010

- Colloquia/Seminar Talks**
- “Calibrating Cosmic Dawn Instruments”
Minnesota Center for Philosophy of Science December 9, 2022
- “Laboratory Astrophysics”
Lichtenberg Group for History and Philosophy of Physics, University of Bonn June 28, 2022

- “Empirical Evidence”
Munich Center for Mathematical Philosophy June 15, 2022
- “Bad Jokes and Stargazing: Two Myths About Observation in ‘Observational’ Sciences”
Foundations of Physics Seminar at the Black Hole Initiative, Harvard Nov 8, 2021
- “Is Laboratory Astrophysics *Astrophysics?*”
Bard College Oct 1, 2021
Philosophy of Physics Seminar, University of Oxford, video here! May 6, 2021
- “How does laboratory astrophysics teach us astrophysics?”
Astroparticles and Cosmology Laboratory, University of Paris April 15, 2021
- “Empirical Evidence and Its Accumulation Across Millennia”
University of Victoria, BC February 5, 2021
- “Observation and Intervention are Irrelevant to Empirical Science”
Center for Space and Habitability University of Bern December 18, 2020
Cosmology Beyond Spacetime December 9, 2020
Marist February 21, 2020
SUNY Albany Department of Philosophy November 22, 2019
- “Constraining the Unknown: How to learn about the mysterious nature of dark energy”
Williams College Department of Philosophy April 30, 2019
Siena College Physics Department November 12, 2018
- “Daedal Data: The Problem of Empirical Adequacy”
The Sigma Club, London School of Economics March 20, 2017
- “Theories of Truth and Consequences for Quantum Theory”
Quantum Foundations Seminar Group, Perimeter Institute for Theoretical Physics April 12, 2010

Facilitation

- “Farm to School” with Rebekka Henriksen for Engage for Change May 25, 2023
- “Workshop: Teaching and Climate Curriculum Development” for Philosophy and the Climate Crisis organized by Philosophers for Sustainability April 29, 2023

Invited Discussant

- “Part III: The Bayes Critique” with Jonathan Bain
“Norton for Everyone? The Material Theory of Induction and Beyond” conference at the Center for Philosophy of Science in honor of John Norton’s book *The Material Theory of Induction*
University of Pittsburgh October 28, 2018
- 22nd Annual Seven Pines Symposium “What Counts as Evidence?”
Stillwater, MN May 16-20, 2018
- Methodology and Epistemology in Cosmology *UC Irvine* February 10-12, 2017
- 20th Annual Seven Pines Symposium “Big questions: some fundamental problems in physics”
Stillwater, MN May 11-15, 2016
- 19th Annual Seven Pines Symposium “General Relativity: a hundred years after its birth”
Stillwater, MN May 13-17, 2015
- 13th Annual New Directions in the Foundations of Physics
Washington, D.C. April 18-20, 2014

Poster

- “Choosing Empirical Methods: Challenging the Epistemic Superiority of Manipulation-Based Inquiry”
Philosophy of Science Association 2020/21 Biennial Meeting
Baltimore, MD Nov 12, 2021

PUBLIC PHILOSOPHY

- Public Talk at Breyo Observatory: “Philosophy of Astrophysics: Stars, Simulations, and the Struggle to Determine What is Out There” April 28, 2023
- Public Philosophy Event at Radix Ecological Center: “Climate Change and Personal Responsibility” with Mike Rings and Tony Manela April 17, 2023
- Podcast interview ”Nora Boyd, Siska De Baerdemaeker, & Vera Matarese” Robinson’s Podcast #76 April 15, 2023
- “Three Ways to Bring Climate into Your Teaching” Climate Matters APA Blog post Nov 18, 2021
- “Philosophy Gets Dirty: Teaching Environmental Ethics as Community-Engaged Activism” Lightning Talk at the Public Philosophy Network’s conference “Engagement, Policy, and Practice” Oct 23, 2021
- Interview with Engaged Philosophy Sept 20, 2021
- “Deeper Than Consensus” Coverage by The Sanctuary for Independent Media Feb 13, 2020
- “Space Oddities: How Philosophy Can Help Cosmology” public lecture with Siska De Baerdemaeker for the Allegheny Observatory 2018 Public Lecture Series April 20, 2018

PHILOSOPHY TEACHING

Assistant Professor

- Environmental Ethics (PHIL 333/ENVA 120) Spring 2024, Siena College
- Reason and Argument (PHIL 103) Spring 2024, Siena College
- Independent Study with Simon Meisel: Didactic Beekeeping Spring 2023, Siena College
- Philosophy of Science (PHIL 330) Spring 2023, Siena College
- Reason and Argument (PHIL 103), 2 sections Spring 2023, Siena College
- Ethics of Science and Technology (PHIL 315) Fall 2022, Siena College
- Reason and Argument (PHIL 103), 2 sections Fall 2022, Siena College
- Independent Research with Claire Christiana: The Relationship between Environmental Activism and Environmental Literature (HNRS 410) Spring 2021, Siena College
- Philosophy Seminar: Philosophy and Race (PHIL 490) Spring 2022, Siena College
- Reason and Argument (PHIL 103), 2 sections Spring 2022, Siena College
- Independent Research with Claire Christiana: The Relationship between Environmental Activism and Environmental Literature (HNRS 400) Fall 2021, Siena College
- Environmental Ethics (PHIL 333/ENVA 120), 2 sections Fall 2021, Siena College
- Reason and Argument (PHIL 103) Fall 2021, Siena College
- Independent Study with Marcel D’Aprile: Ethical and Legal Intersections for IVF Embryos (PHIL 499) Summer 2021, Siena College
- Philosophy and the Human Being (PHIL 101), 2 sections Spring 2021, Siena College
- Environmental Ethics (PHIL 333/ENVA 120) Spring 2021, Siena College
- Philosophy and Gender (PHIL 285) Fall 2020, Siena College
- Philosophy and the Human Being (PHIL 101), 2 sections Fall 2020, Siena College
- Environmental Ethics (PHIL 333/ENVA 120) Spring 2020, Siena College
- Philosophy and the Human Being (PHIL 101), 2 sections Spring 2020, Siena College
- Philosophy of Nature (PHIL 320) Fall 2019, Siena College
- Philosophy and the Human Being: Climate Change Edition (PHIL 101), 2 sections Fall 2019, Siena College
- Reason and Argument (PHIL 103) Summer 2019, Siena College
- Philosophy of Science (PHIL 330) Spring 2019, Siena College
- Philosophy and the Human Being (PHIL 101), 2 sections Spring 2019, Siena College

- Ethics of Science and Technology (PHIL 315) Fall 2018, Siena College
- Philosophy and the Human Being (PHIL 101), 2 sections Fall 2018, Siena College

Adjunct

- Morality and Medicine (HPS 0613) Summer 2018, University of Pittsburgh
- Reason and Argument (PHIL 103) Summer 2018, Siena College

Independent Instructor

University of Pittsburgh

- Mind and Medicine (HPS 0612) Spring 2018
- Morality and Medicine (HPS 0613) Fall 2017
- Thinking About the Environment (HPS 0516) Spring 2016
- Principles of Scientific Reasoning (HPS 0611) Fall 2015

Recitation Instructor

University of Pittsburgh

- Mind and Medicine (HPS 0612) Spring 2014
- Intro to Philosophy of Science (HPS 0653) Fall 2013

Teaching Assistant

University of Waterloo, Ontario

- Business Ethics (Phil 215) Summer 2010
- Gender Issues (Phil 202), half-TAship Winter 2010
- Intro to Philosophy of Science (Phil 258), half-TAship Winter 2010
- Critical Thinking (Phil 145) Fall 2009

SELECTED GRADUATE COURSEWORK

University of Pittsburgh

- Explanation James Woodward, Robert Batterman
- Climate Change and Public Policy Giovanni Valente
- Symbolic Logic Thomas Ricketts
- Astronomical Techniques Jeffrey Newman
- Topics in Recent Philosophy of Science Adam Caulton
- Philosophical Issues in High Energy Physics Experiments Slobodan Perović
- History of Science Core, Life Sciences Robert Olby
- Human/Animal in Western Civilization Paolo Palmieri
- Topics in Recent Philosophy of Physics John Norton
- History of Science Core, Physical Sciences Paolo Palmieri
- Foundations of Quantum Field Theory Giovanni Valente
- Philosophy of Space and Time Eleanor Knox
- Representation, Perspectives, and Pluralism Sandra Mitchell, Mazviita Chirimuuta
- The Aristotelian Mechanics Joyce van Leeuwen
- Galileo and All That Paolo Palmieri
- History of Old Quantum Theory John Norton
- Philosophy of Science Core James Woodward

University of Waterloo, Ontario

- Truth Patricia Marino
- Anti-Realism Doreen Fraser
- Foundations of Quantum Theory (audit) Raymond Laflamme, Joseph Emerson
- Phenomenology Richard H Holmes
- Cognitive Science Paul Thagard

AWARDS & ACCOMPLISHMENTS

- Teaching Fellowship for “Biology and Philosophy of Cancer” from the Committee on Teaching and Faculty Development at Siena College Spring 2023
- New Directions in Philosophy of Cosmology Seed Fellowship for “Methodology and Epistemology of 21-cm Cosmology” Spring 2021
- Research Fellowship for “Interdisciplinary Book Project: Philosophy of Astrophysics” from the Committee on Teaching and Faculty Development at Siena College Spring 2021
- School of Liberal Arts Tenure-Track Faculty Award for Outstanding Service at Siena College April 2020
- Curriculum Diversification Fellowship for “Native American Philosophy” from the Diversity Action Committee at Siena College March 2019
- Visiting Postgraduate Researcher Department of Philosophy, Psychology, and Language Sciences University of Edinburgh March 1-31 2017
- Visiting Researcher, Department of Logic and Philosophy of Science, UC Irvine April 18-June 8 2015
- History of Astronomy Division Student Travel Award 2014
- Wesley C. Salmon Fund 2014, 2016 (spring & fall)
- Master’s Governor General’s Academic Gold Medal 2011
- Paul Seligman Memorial Scholarship 2010
- University of Waterloo Arts Graduate Experience Award 2009-2010
- University of Waterloo Travel Grant 2010
- Advanced Placement Scholar Award 2007
- National Merit Scholarship Semifinalist 2007
- Daniel Bingham Award for Math and Sciences 2006

PROFESSIONAL, COLLEGIATE, & DEPARTMENTAL SERVICE

Referee

Journal Articles

HOPOS: The Journal of the International Society for the History of Philosophy of Science, Philosophical Quarterly, The British Journal for the Philosophy of Science, Philosophy of Science, European Journal for Philosophy of Science, Studies in History and Philosophy of Modern Physics, Studies in History and Philosophy of Science, Synthese, Erkenntnis and International Studies in the Philosophy of Science

Book proposal for Hackett Publishing

PhilSci Archive

- Board Member September 2018-present
- Consultant September 2016-August 2017
- Archive Manager September 2015-August 2016 & September 2017-August 2018

Member of Organizing Committee

- Siena Climate Talks
- Monthly speaker series be held spring 2020-fall 2020
- Siena College*

- Super-PAC, Early Career Conference on Philosophy of Astrophysics and Cosmology
Center for Philosophy of Science, University of Pittsburgh October 28–29 2017
- American Association for Philosophy Teachers (AAPT) Workshop on Teaching and Learning in Philosophy: Inclusive Pedagogy
University of Pittsburgh 4 February 2017
- IPP4, Irvine-Pittsburgh-Princeton Conference on the Mathematical and Conceptual Foundation of Physics
Center for Philosophy of Science, University of Pittsburgh March 31–April 1 2016
- 17th Annual Philosophy Graduate Student Association Graduate Student Conference
University of Waterloo March 2010

Dissertation Committee Member

- Abigail Holmes (Notre Dame) 2022-present

Mentorship

- Philosophy of Science Association Underrepresented Philosophy of Science Scholars (UPSS) 2022
- Philosophy Club Advisor, Siena College Fall 2018-Spring 2019
- Teaching Mentor, University of Pittsburgh September 2016-August 2017

Service to Siena College

- Committee on Teaching and Faculty Development (COTFD) September 2019-present
COTFD Co-Chair Spring 2020-Spring 2023
- Sustainability Steering Committee
and associated Curriculum Subcommittee and Organic Garden Subcommittee March 2019-present
- Criminal Justice Studies Faculty Steering Committee
Member and Human Rights Track Coordinator 2022-present
- Middle States Working Group Standard 3, Criterion 5
with Michelle Liptak and Rosie Van Patten Spring 2022-Fall 2023
- Provost’s Task Force on Diversifying the Faculty, Siena College 2020-2021
- Biology Department Search Committee, Siena College 2018-2019
- Philosophy Department Search Committee, Siena College 4 times

Community Engaged Undergraduate Student Research

“Urban Farmers Community Voice”, with Sarah Toledano
 Students: Erin Spence, Jack McKenna, Kathleen Nielsen and Juliana Barriere
 Community Partner: Albany Victory Gardens
 Supported by the Center for Academic Community Engagement Siena Project Incubator (SPIn), Siena College Summer 2021

“Food Sovereignty and the South End of Albany”, with Matthew Davis
 Students: Ivory Moore and Eileen Fitzgerald
 Community partners: A Village and Radix Ecological Sustainability Center
 Supported by the Center for Academic Community Engagement Siena Project Incubator (SPIn), Siena College Summer 2019

Undergraduate Honors Thesis Committee Member, Siena College

- (Mentor) Claire Christiana
 “Identifying Features in Contemporary Environmental Nonfiction That Are Effective for Inspiring Activism” 2021-2022

- Leah Roth
“The Impact of Incarceration on Motherhood” 2021-2022
- Jessica DuPont
“Simplifying Sustainability: Examining and Redefining Sustainability for Accessibility and Everyday Action” 2021-2022
- Veda Chandwani
“Implementing an Intervention for Burnout in Hospitals and Medical Schools” 2020-2021
- Jeska Guirguis
“Why Boorse’s Naturalist Conception of Health Should Make Us Sick” 2019-2020
- Caitlin Muir
“What to Select When You’re Expecting: The Ethics of Reproductive Selection” 2018-2019

Campus Events at Siena College

- Organized “Final Faculty Fridays with COTFD: Faculty Mental Health & Well-being” January 27, 2023
- Co-hosted “Honoring bell hooks” event with Shannon Draucker February 28, 2022
- Hosted panel “Building Community and Student Engagement Online” February 3, 2021
- COTFD Research and Revelry Retreat Week of January 4, 2020
- “Current Indigenous Initiatives” for ACE AmeriCorps November 20, 2020
- Panelist on PRIDE-GSA’s LGBT + FSA Panel November 11, 2020 & April 25, 2022
- Hosted “Black Lives Matter and Higher Ed, Panel and Q&A with Dan DiTursi, Ausra Park, and Lisette Balabarca August 12, 2020
- Hosted “Best Practices Faculty Discussion” with Matthew Davis July 7, 2020
- Hosted “Psychology of Superheroes: Good and Bad Course Design Tour and Q&A with Cate LaPlante” June 10, 2020
- “Decolonization” bell hooks book discussion with the Committee on Teaching and Faculty Development February 10, 2020
- Winter Faculty Development Workshop “Students as Partners: Designing *with*”, with Ruth Kassel January 14, 2020
- “Revolution” bell hooks book discussion with the Committee on Teaching and Faculty Development October 24, 2019
- Sustainable Commute Bet October 2019
- “Observing Indigenous People’s Day” with the Damietta Cross-Cultural Center October 7, 2019
- “Strengthening Your Argument” with the Center for Undergraduate Research and Creative Activity (CURCA) June 10, 2019
- “Your Moral Compass: Explore Your Values and Learn to Identify and Apply Ethical Principles to Decision-Making” with the Sr. Thea Bowman Center for Women March 25, 2019

Misc. Service During Graduate School

- Teaching Representative January 2016-February 2017
- Work in Progress Talk Czar April 2013-January 2015

PROFESSIONAL AFFILIATIONS

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- Philosophers for Sustainability Active
 - Philosophy of Science Association (PSA) Active
 - American Association for Philosophy Teachers (AAPT)
 - American Astronomical Society (AAS)
 - British Society for the Philosophy of Science

Canadian Society for the History and Philosophy of Science/ Société canadienne d'histoire et de philosophie des sciences (CSHPS/SCHPS)
Society for the Philosophy of Science in Practice (SPSP)

EMPLOYMENT

Center for Experimental Nuclear Physics and Astrophysics

University of Washington

- Research Engineer 2 November 2011-August 2012
- Research Engineer 1 October 2010-October 2011
- Student Hourly/Laboratory Technician May-August, 2005 & February-August 2009

Radio Cosmology Group

University of Washington

Summer Intern June-August 2009

Experimental Cosmology Lab

University of British Columbia

Summer Intern May-August 2008

VOLUNTEERING

Silent Transformations

Pittsburgh, PA

Fall 2016-present

Aided in the organization and promotion of a series of community meetings around ecology and mindfulness

Environmental Charter School

Pittsburgh, PA

Fall 2014-present

Garden Guardian, school garden planning and maintenance

Assemble

Pittsburgh, PA

Summer 2013

Designed and facilitated fun science lessons and activities for middle school students in a STEAM summer camp, the EXPERIENCE ZONE, hosted by the Hill House Association in Pittsburgh and organized by an arts and technology nonprofit

Ballard High School

Seattle, WA

Summer 2009 & Fall 2010

After-school volunteer tutor of algebra students

826 Greenwood/Seattle Space Co.

Seattle, WA

February & July 2009

Designed and taught two writing workshops for elementary and middle school aged students for a branch of a national non-profit writing center for students founded by author Dave Eggers