

# Isaac Wilhelm

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## EDUCATION

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### Rutgers University

Ph.D. Philosophy  
M.S. Mathematics

Expected 2020  
Expected 2018

### Tufts University

M.A. Philosophy

2013-2015

### University of Chicago

B.A./B.A. Mathematics, Cinema and Media Studies (both honors)

2007-2011

## PUBLICATIONS

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“A Statistical Analysis of Luck”, *Synthese* (2018).

“The Representation of Belief”, *Journal of Philosophical Logic* (2017).

“New Data on the Representation of Women in Philosophy Journals: 2004-2015” (with Nicole Hassoun and Sherri Conklin), *Philosophical Studies* (2017).

## WORKS IN PROGRESS

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“Intrinsicity and Quantum Entanglement” (under review).

## PRESENTATIONS (SELECTED)

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“Typical”

- Munich Center for Mathematical Philosophy, June 2018.

“Explanatory Priority Monism”

- FraMEPhys speaker series, University of Birmingham, June 2018.

“Comparative Structure”

- Canadian Society for the History and Philosophy of Science, University of Regina, May 2018.
  - APA Eastern, Savannah GA, January 2018.
  - British Society for the Philosophy of Science, Edinburgh, July 2017.
- “Intrinsicity and Quantum Entanglement”
- Fifth International Summer School in the Philosophy of Physics, Saig, July 2017.
  - Canadian Philosophical Association, Toronto, May 2017.
- “Lawhood and Computational Tractability”
- APA Pacific, Seattle, April 2017.
  - Western Canadian Philosophical Association, University of Alberta, October 2016.
- “Sufficient and Necessary Conditions for Representability”
- NASSLLI, Rutgers University, July 2016.
- “Chaos Regained: On the Possibility of a New Era of Orbital Dynamics”
- Society for the Philosophy of Science in Practice, Rowan University, June 2016.
  - History of Philosophy of Science Conference, University of Minnesota, June 2016.
  - Tufts University, July 2015.
- “Quantity, Property, and Fundamental Law”
- The Metaphysics and Epistemology of Grounding and Fundamentality, CUNY, December 2015.

## COMMENTS

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“Constraining Inductive Metaphysical Inferences by Help of Internal Unification”, Kian Salimkhani, Society for the Metaphysics of Science, New York, October 2017.

“Grounding, Dependence and Mathematical Explanation”, Bill D’Alessandro, APA Eastern, Baltimore, January 2017.

## GRANTS AND AWARDS

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Cross-Training Fellowship (\$30,000)	2017-18
Rutgers Excellence Fellowship	2015-17
Special Studies Award (x2)	2016-17
Rutgers Conference Travel Award (x4)	2016-18

Katemquin Labs Review	2013
Fire Escape Films: Travel Grant	2012
Chicago Filmmakers Sponsorship Grant	2012
Seidel Scholars PRISM Grant (co-recipient)	2011

## TEACHING

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### Rutgers University

- Introduction to Philosophy (Instructor) Summer 2018
  - An introductory course offered for first-generation incoming freshman, to help introduce them to college coursework.
- Applied Symbolic Logic- Ted Sider (Research Assistant) Fall 2017
- Intermediate Logic- Anthony Gillies (Research Assistant) Spring 2016

### Tufts University

- Graduate Logic (TA) Fall 2014
- Undergraduate Logic (TA) Spring 2014

### University of Chicago

- Calculus (TA) 2008-10
- Young Scholar's Program (Instructor) 2008-10
- SESAME: Adult Education (TA) Summer 2010

### Dark Foan Education 2011-13

Founded a tutoring business that offered one-on-one instruction to grade school students at the University of Chicago Laboratory School. Worked personally with 22 students, 18 of whom were with me for at least a full academic year.

### Northwestern University (select courses)

- Saturday Enrichment Program for Gifted Youth (Instructor)
  - Set Theory Spring 2013
  - Paradigm Shifts in Science Fall 2012
  - Game Theory and Probability Fall 2012
  - Statistics Spring 2012; Fall 2011
- Summer Program for Gifted Youth (Instructor)
  - Documentary Filmmaking 2014

- Prove It! Mathematics and Art 2013

## SERVICE

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Rutgers-Columbia Workshop: Quantum Field Theories 2018  
- Co-Organizer of this two-day international workshop.

Metro Area Philosophy of Science (MAPS) 2017-18  
- Organize three to five talks for the MAPS group each semester.

Climate Committee, Rutgers Philosophy Department 2015-18  
- Organized two departmental climate surveys.

Philosophy of Science, Reading Group 2016-18  
- Organize the Rutgers philosophy of science reading group.

Referee 2017-18  
- Theoria, Statistical Science.

Filming and Editing 2016-18  
- Foundations of Probability Seminar.  
- Metaphysics of Fine Tuning Conference.  
- Center for Philosophy of Religion, Marc Sanders Lectures.

Data Collection for Nicole Hassoun 2016  
- Project to determine proportion of journal publications by women.

## FILM PRODUCTION

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Sanders Lecture 2017  
2 hours; 2017; credited as editor: audio and video recording of the 2017 Marc Sanders Lecture. Published online.

Luke Barnes on Fine Tuning, Rutgers Philosophy of Religion 2017  
2 hours; 2017; credited as editor: audio and video recording of Luke Barnes' 2017 lecture on fine tuning, sponsored by the Rutgers Center for the Philosophy of Religion. Published online.

Newton's Principia  
75 hours; 2015; credited as editor: audio and video recording of a two-semester course on the science and philosophy of Newton's *Principia*. To be published online.

American Diner

105 minutes; 2013; credited as director, DP, editor: a documentary about three small-town diners. Screenings: Kartemquin, Chicago; Doc Films, Chicago.

#### The Point

15 minutes; 2011; credited as director, sound producer, DP, editor: a documentary about Promontory Point. Screenings: Film Studies Center, University of Chicago.

## GRADUATE COURSEWORK

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### Rutgers University

- Third Year Seminar (Ruth Chang)
- Theory of Functions of a Real Variable I (Daniel Ocone)
- Philosophy of Quantum Mechanics (David Albert)
- Explanation (Jonathan Schaffer)
- Typicality in Physics (Shelly Goldstein)
- Foundations of Probability II (Harry Crane)
- Philosophy of Quantum Mechanics (Jill North, Ted Sider)
- Statistical Mechanics I: Equilibria (Joel Lebowitz)
- Abstract Algebra I (Vladimir Retakh)
- Algebraic Topology (Feng Luo)
- Foundations of Probability I (Harry Crane)
- Advanced Topics in Philosophy of Physics: Time (David Albert)
- Advanced Topics in Metaphysics (Barry Loewer, Jonathan Schaffer)
- Statistical Mechanics II: Non-Equilibria (Joel Lebowitz)
- Independent Study: Representation and Fragmentation (Andy Egan, Adam Elga, Augustín Rayo)
- Advanced Topics in Philosophy of Physics: Space and Time (Jill North)
- Advanced Topics in Philosophy of Language (Jeff King)
- Proseminar (Frances Egan, Brandon Fitelson)

### Tufts University

- Newton's *Principia* (George Smith)
- Modal Logic (Dilip Ninan)
- Aristotle's Metaphysics (Christiana Olfert, George Smith)

- Science Before Newton's *Principia* (George Smith)
- Computation Theory (George Smith)
- Objects (Jody Azzouni)
- Evolution of Mind and Morals (Patrick Forber)
- Logic (George Smith)
- Truth (Jody Azzouni)
- The Philosophy of David Lewis (David Denby)

### **Harvard University**

- Independent Study: Advanced Topics in Philosophy of Mathematics (Hugh Woodin, Peter Koellner)

### **University of Chicago**

- Kant's Theoretical Philosophy (Thomas Land)