

# MATTHIAS JENNY

New York based full-stack web developer and teacher with a passion for logic

## SKILLS

- JavaScript
- React
- Jest
- Redux
- jQuery
- SQL
- Ruby
- Ruby on Rails
- RSpec
- git
- HTML5
- CSS3

## CONTACT DETAILS

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## EDUCATION

### App Academy, 2017

1000-hour immersive full-stack web development intensive boot camp

### Massachusetts Institute of Technology, PhD Philosophy 2017

*Minor: Mathematical Logic*

Published research in *Noûs* and *Thought*

Research in computability theory, modal logic, model theory, non-monotonic logic, and relevance logic

### Brandeis University, MA Philosophy 2012

Research in epistemic logic

### University of Zurich, BA Philosophy 2010

*Minors: Economics and Sociology*

## WORK EXPERIENCE

### App Academy (New York)

*Teaching Assistant, Sept 2017 to Current*

- Offered position nine weeks into completing App Academy's twelve-week curriculum
- Contributed to internal teaching tools built in Rails and React, implemented password reset feature and wrote tests for analytics feature
- Taught 120 students in a full-stack web development boot camp
- Served as project manager for 14 student-made full stack projects, using technologies including Google Maps API, Paperclip, and Amazon S3

### PIKSI-Boston (Boston)

*Co-Founder and Graduate Director Sept 2014 to May 2017*

- Developed curriculum and organized two week-long summer programs at MIT and UMass-Boston for philosophy undergraduates from underrepresented groups
- Distributed workload for members of a team of 10
- Assisted grant writing in concert with the American Philosophical Association leading to a \$600K grant from the Mellon Foundation

## PROJECTS

### Andor

- Wrote an original logic game that teaches players the rules of the Boolean connectives using React, Redux, Cordova, and my boolean-logic library
- Achieved over 2,100 installs across Google Play and the Apple App Store

### Sat Zoo

- Developed a benchmarking tool for Boolean satisfiability
- Incorporated Web Worker for seamless user experience during complex computations

### boolean-logic

- Wrote a JavaScript library from scratch to formulas of Boolean logic relative to a model and to find models
- Implemented recursive algorithms for parsing strings into binary trees representing well-formed formulas and evaluating well-formed formulas for truth and satisfiability
- Wrote 71 Jest tests for reliable and maintainable code

### LivePoll

- Created a Poll Everywhere clone that allows users to create polls and push them to participants, using Rails, React, Redux, and AWS
- Incorporated WebSockets to push active polls to users and poll results to poll creator in real time