

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)

Senior Teaching Assistant, March 2018 to Current

Teaching Assistant, November 2017 to March 2018

Senior Teaching Assistant, Sept 2017 to November 2017

- 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
- Wrote custom text editor for easy creation of Boolean formulas using conventional symbols

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 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