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