

# 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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## WORK EXPERIENCE

### App Academy

Senior Teaching Assistant  
Teaching Assistant  
Junior Teaching Assistant

New York  
March 2018 to Current  
November 2017 to March 2018  
Sept 2017 to November 2017

- Offered position nine weeks into completing twelve-week curriculum; taught 213 students in a full-stack web development boot camp
- Contributed to internal teaching tools built in Rails and React, implemented password reset feature and wrote tests for analytics feature
- Wrote Ruby scripts to automate grading student assessments, leading to a more than 50% reduction in grading time per instructor
- Served as project manager for 26 student-made full stack projects and mentored 19 students during their job search

### PIKSI-Boston

Co-Founder and Graduate Director

Boston  
Sept 2014 to May 2017

- Developed curriculum and organized 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

## EDUCATION

### App Academy

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

2017

### Massachusetts Institute of Technology

Minor: Mathematical Logic

PhD Philosophy 2017

- Published research in *Noûs* and *Thought*
- Research in computability theory, modal logic, model theory, non-monotonic logic, and relevance logic

### Brandeis University

Research in epistemic logic

MA Philosophy 2012

### University of Zurich

Minors: Economics and Sociology

BA Philosophy 2010

## 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

andor.fun

### Sat Zoo

- Developed a benchmarking tool for Boolean satisfiability
- Incorporated Web Worker for seamless user experience
- Wrote custom text editor for easy creation of Boolean formulas

matthiasjenny.com/sat-zoo

### 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 and evaluating well-formed formulas for truth and satisfiability
- Wrote 71 Jest tests for reliable and maintainable code

github.com/m1010j/boolean-logic

### 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

livepoll.info

