

# MATTHIAS JENNY

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

## SKILLS

- JavaScript
- Ruby
- Node.js
- Express.js
- SQL
- Ruby on Rails
- RSpec
- React
- Jest
- Redux
- HTML5
- CSS3
- git

## CONTACT DETAILS

matthiasjenny@gmail.com  
www.matthiasjenny.com  
github.com/m1010j  
linkedin.com/in/m1010j  
angel.co/m1010j  
twitter.com/\_m1010j\_

## 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

### Explorations in Asynchronicity

[async.matthiasjenny.com](http://async.matthiasjenny.com)

- Created a benchmark and analysis tool for asynchronous recursive functions built on an Express.js backend and a no-framework frontend
- Leveraged Web Workers, code-splitting, and server-side caching for seamless and fast user experience

### Andor

[andor.fun](http://andor.fun)

- 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

[matthiasjenny.com/sat-zoo](http://matthiasjenny.com/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

### boolean-logic

[github.com/m1010j/boolean-logic](http://github.com/m1010j/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