MATTHIAS JENNY

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

SKILLS

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

CONTACT DETAILS

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github.com/m1010j

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angel.co/m1010j

twitter.com/_m1010j_

WORK EXPERIENCE

App Academy New York
Senior Teaching Assistant *March 2018 to Current*
Teaching Assistant *November 2017 to March 2018*
Junior Teaching Assistant *Sept 2017 to November 2017*
- Taught 249 students in a full-stack web development boot camp
- Acted as "pod leader", managing and mentoring 2 teaching assistants
- Hired and managed 14 admissions contractors
- 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 33 student-made full stack projects and mentored 19 students during their job search

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

PROJECTS

Explorations in Asynchronicity *async.matthiasjenny.com*
- Created an analysis tool for benchmarking asynchronous recursive functions in the browser built on Express.js and on the command line using Node.js
- Leveraged web workers, code-splitting, and server-side caching for seamless user experience
- Provided public API to enable third-party analysis of benchmark data
- Published a 2,500 word article discussing the most surprising results

Pumpkin Time *pumpkintime.app*
- Created a progressive web app with Vue.js commissioned by an Assistant Director of the Directors Guild of America to calculate set restrictions for underage actors
- Achieved scores of 96 Performance, 100 Progressive Web App, 100 Accessibility, and 100 Best Practices in the Chrome Mobile Audit

Andor *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 2,350 installs across Google Play and the Apple App Store

Sat Zoo *matthiasjenny.com/sat-zoo*
- Developed a logical calculator to benchmark Boolean satisfiability
- Wrote custom text editor for easy creation of Boolean formulas

boolean-logic *github.com/m1010j/boolean-logic*
- Published an npm package to evaluate formulas of Boolean logic
- 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