MATTHIAS JENNY

matthiascjenny@gmail.com
www.matthiasjenny.com
New York
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Full-stack web developer and teacher with a passion for logic

Skills

Ruby
Ruby on Rails
RSpec
JavaScript
jQuery
React
React Native
Redux
SQL
Git
HTML5
CSS3

Education

App Academy
2017
1000-hour immersive full-stack web development intensive with <3% acceptance rate

Massachusetts Institute of Technology
PhD Philosophy 2017
Minor: Mathematical Logic
Published research in Noûs and Thought
Research level computability theory, modal logic, model theory, non-monotonic logic, relevance logic

Brandeis University
MA Philosophy 2012
Research in epistemic logic

University of Zurich
BA Philosophy 2010
Minors: Economics and Sociology

Employment

App Academy — New York
Teaching Assistant — Jan 2018 to Current

- Contributed to internal teaching tools built in Rails and React, implemented password reset feature and wrote tests for analytics feature
- Taught 120 students in an intensive 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

New York
Junior Teaching Assistant — Sep 2017 to Jan 2018

- Offered position nine weeks into completing App Academy's twelve-week curriculum

PIKSI-Boston — Cambridge, MA
Co-Founder and Graduate Director — Sep 2014 to May 2017

- Developed curriculum and organized two week-long summer programs at MIT and UMass-Boston for philosophy undergraduates from underrepresented groups
- Defined expectations and distributed workload for members of a team of 10
- Assisted grant writing in concert with PIKSI-Rock and the American Philosophical Association leading to a $600K grant from the Mellon Foundation

Projects

boolean-logic
- A lightweight JavaScript library for evaluating formulas of Boolean logic
- Provides API with functions to evaluate well-formed formulas relative to a model and finding models
- Implements recursive algorithms for parsing strings into binary trees representing well-formed formulas, evaluating well-formed formulas, and generating all possible models of well-formed formulas

Andor
- An original logic game that teaches players the rules of the Boolean connectives
- Built with React, Redux, and Cordova, using my boolean-logic library
- Over 1,800 installs across Google Play, Apple App Store, and Amazon App Store

LivePoll
- A Poll Everywhere clone that allows users to create polls and push them to participants whose votes are displayed live
- Built with Rails, React, Redux, Pusher, and AWS