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Luke Wassink

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SKILLS

Ruby, Ruby on Rails, JavaScript, React, Redux, SQL, Scala, Git, VIMScript, Nginx, Node.js

EMPLOYMENT

INSTRUCTOR	APP ACADEMY	FALL 2016–SUMMER 2017
	CODING BOOTCAMP	

- Taught full-stack web development at competitive coding bootcamp. Wrote and delivered weekly lectures on Ruby, Rails, Javascript, React.
- Led three-person team to implement major curriculum redesign. Recorded video lectures, wrote assigned readings, created new homework projects.
- Supervised over 25, two-week long final projects in which students created full-stack web apps using Rails and React.

VISITING ASSISTANT PROFESSOR	DEPARTMENT OF MATHEMATICS,	FALL 2015–SPRING 2016
	UNIVERSITY OF IOWA	

- Produced original research in number theory, specializing in the Langlands program.
- Designed and taught courses in calculus and linear algebra; received positive student evaluations.

LAB ASSISTANT	DEPARTMENT OF PHYSICS,	SPRING 2006–SPRING 2008
	UNIVERSITY OF IOWA	

- Integrated new equipment into computer-controlled LED testing system written in LABView.
- Implemented real-time display of scan data with graphing and comparison features.

PROJECTS

GOODCODE	RAILS, REACT	LIVE | GITHUB

- Designed and built single-page, full-stack web app with secure user authentication. Users can review and discuss computer programs.
- Implemented functionality for users to add programs, write reviews, and mark programs they have uesd.

PORTFOLIO SITE	RAILS, NODE.JS, NGINX, REACT	LIVE | GITHUB

- Created site listing my personal projects and blog posts. Served using Nginx reverse proxy.
- Implemented blog posts rendered in Markdown with inline LaTeX rendering and syntax highlighting of code snippets.

CHECKERS	REACT, REDUX, REACT DND	LIVE | GITHUB

- Wrote fully playable checkers game including AI opponent to play against user.
- Implemented drag-and-drop interface using React DnD.

EDUCATION

DOTCOR OF PHILOSOPHY	UNIVERSITY OF IOWA	FALL 2009–SPRING 2015

- Ph.D. in Mathematics, GPA 3.86
- Dissertation: Split Covers for Certain Representations of Classical Groups
- Coursework: Abstract Algebra, Real and Complex Analysis, Differential and Algebraic Topology

BACHELOR OF SCIENCE	UNIVERSITY OF IOWA	FALL 2006–SPRING 2009

- B.S. in Mathematics, GPA 3.86; B.S. in Physics, GPA 3.45; Dean's List
- Coursework: Quantum Mechanics, Electrodynamics, Electronics, Multivariable and Vector Calculus, Linear Algebra, Differential Equations, Real and Complex Analysis