Luke Wassink

lukewassink.com github.com/lwassink linkedin.com/in/lwassink

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

DOCTOR 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