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LUKE WASSINK

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PROJECTS

Goodcode **Rails, React** **[live](#) | [github](#)**

- A single-page app with secure user authentication. Allows users to review computer programs.
- Users can add programs, write reviews, and mark programs with statuses.

Personal Site **Rails, Node.js, Nginx, React** **[live](#) | [github](#)**

- A site to list my personal projects and blog posts. Served using an nginx reverse proxy.
- Blog posts rendered in markdown with inline latex rendering and syntax highlighting of code snippets.

Checkers **React, Redux** **[live](#) | [github](#)**

- A fully playable, frontend checkers app built with React and Redux.
- Implements a drag-and-drop interface using React DnD.

SKILLS

- Ruby, Ruby on Rails, JavaScript, React.js, Redux, SQL, Scala
- Git, VIM, VIMScript

EMPLOYMENT

Instructor **App Academy** **Fall 2016–Present**

- Managed development of core curriculum: supervised introduction of React Router v4 to curriculum
- Created new videos and readings. Delivered lectures on Ruby, Rails, Javascript, React
- Supervised student final projects creating full-stack web apps using Rails and React

Visiting Assistant Professor **Dept. of Mathematics, U. Iowa** **Fall 2015–Spring 2016**

- Designed and taught courses in calculus and linear algebra
- Conducted research in number theory

Lab Assistant **Dept. of Physics, U. Iowa** **Spring 2006–Spring 2008**

- Integrated new equipment into computer-controlled LED-measurement system written in LABView
- Rewrote entire LABView system to provide detailed, real-time display of scan data

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

Bachelors 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
- Relevant coursework: Calculus III, Linear Algebra, Real and Complex Analysis, Physics, Electronics