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## LUKE WASSINK

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### EMPLOYMENT

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<b>Instructor</b>	<b>App Academy Coding Bootcamp</b>	<b>Fall 2016–Present</b>
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- Taught full-stack web development at competitive coding bootcamp; managed curriculum development.
- Delivered lectures on Ruby, Rails, Javascript, React. Recorded video lectures; wrote assigned readings.
- Supervised final projects in which students created full-stack web apps using Rails and React.

<b>Visiting Assistant Professor</b>	<b>Department of Mathematics, University of Iowa</b>	<b>Fall 2015–Spring 2016</b>
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- Produced original research in number theory, specializing in the Langlands program.
- Designed and taught courses in calculus and linear algebra; received positive student evaluations.

<b>Lab Assistant</b>	<b>Department of Physics, University of Iowa</b>	<b>Spring 2006–Spring 2008</b>
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- 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

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<b>Goodcode</b>	<b>Rails, React</b>	<b><a href="#">live</a>   <a href="#">github</a></b>
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- A single-page app with secure user authentication. Allows users to review computer programs.
- Inspired by Goodreads, users can add programs, write reviews, and mark programs they have used.

<b>Personal Site</b>	<b>Rails, Node.js, Nginx, React</b>	<b><a href="#">live</a>   <a href="#">github</a></b>
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- A site listing 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.

<b>Checkers</b>	<b>React, Redux</b>	<b><a href="#">live</a>   <a href="#">github</a></b>
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- A fully playable checkers game implementing a drag-and-drop interface using React DnD.
- Includes AI opponent to play against user.

### SKILLS

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Ruby ◊ Ruby on Rails ◊ JavaScript ◊ React ◊ Redux ◊ SQL ◊ Scala ◊ Git ◊ VIMScript

### EDUCATION

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<b>Dotcor of Philosophy</b>	<b>University of Iowa</b>	<b>Fall 2009–Spring 2015</b>
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- 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

<b>Bachelor of Science</b>	<b>University of Iowa</b>	<b>Fall 2006–Spring 2009</b>
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- 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