

## SKILLS

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

## EMPLOYMENT

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INSTRUCTOR	APP ACADEMY CODING BOOTCAMP	FALL 2016–PRESENT
<ul style="list-style-type: none"><li>• Taught full-stack web development at competitive coding bootcamp. Wrote and delivered weekly lectures on Ruby, Rails, Javascript, React.</li><li>• Led three-person team to implement major curriculum redesign. Recorded video lectures, wrote assigned readings, created new homework projects.</li><li>• Supervised over 25, two-week long final projects in which students created full-stack web apps using Rails and React.</li></ul>		
VISITING ASSISTANT PROFESSOR	DEPARTMENT OF MATHEMATICS, UNIVERSITY OF IOWA	FALL 2015–SPRING 2016
<ul style="list-style-type: none"><li>• Produced original research in number theory, specializing in the Langlands program.</li><li>• Designed and taught courses in calculus and linear algebra; received positive student evaluations.</li></ul>		
LAB ASSISTANT	DEPARTMENT OF PHYSICS, UNIVERSITY OF IOWA	SPRING 2006–SPRING 2008
<ul style="list-style-type: none"><li>• Integrated new equipment into computer-controlled LED testing system written in LABView.</li><li>• Implemented real-time display of scan data with graphing and comparison features.</li></ul>		

## PROJECTS

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GOODCODE	RAILS, REACT	<a href="#">LIVE</a>   <a href="#">GITHUB</a>
<ul style="list-style-type: none"><li>• Designed and built single-page, full-stack web app with secure user authentication. Users can review and discuss computer programs.</li><li>• Implemented functionality for users to add programs, write reviews, and mark programs they have used.</li></ul>		
PORTFOLIO SITE	RAILS, NODE.JS, NGINX, REACT	<a href="#">LIVE</a>   <a href="#">GITHUB</a>
<ul style="list-style-type: none"><li>• Created site listing my personal projects and blog posts. Served using Nginx reverse proxy.</li><li>• Implemented blog posts rendered in Markdown with inline LaTeX rendering and syntax highlighting of code snippets.</li></ul>		
CHECKERS	REACT, REDUX, REACT DnD	<a href="#">LIVE</a>   <a href="#">GITHUB</a>
<ul style="list-style-type: none"><li>• Wrote fully playable checkers game including AI opponent to play against user.</li><li>• Implemented drag-and-drop interface using React DnD.</li></ul>		

## EDUCATION

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DOTCOR OF PHILOSOPHY	UNIVERSITY OF IOWA	FALL 2009–SPRING 2015
<ul style="list-style-type: none"><li>• Ph.D. in Mathematics, GPA 3.86</li><li>• Dissertation: <a href="#">Split Covers for Certain Representations of Classical Groups</a></li><li>• Coursework: Abstract Algebra, Real and Complex Analysis, Differential and Algebraic Topology</li></ul>		
BACHELOR OF SCIENCE	UNIVERSITY OF IOWA	FALL 2006–SPRING 2009
<ul style="list-style-type: none"><li>• B.S. in Mathematics, GPA 3.86; B.S. in Physics, GPA 3.45; Dean's List</li><li>• Coursework: Quantum Mechanics, Electrodynamics, Electronics, Multivariable and Vector Calculus, Linear Algebra, Differential Equations, Real and Complex Analysis</li></ul>		