

Andrew Hookom

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TECHNICAL KNOWLEDGE

Proficient: JavaScript (ES6), React, Express, PostgreSQL, Sequelize, Git, HTML5, CSS3

Familiar: Electron, Webpack, SASS, D3, React Native, p5, jQuery, Bootstrap

PROGRAMMING PROJECTS

- ♦ **DataLab** (React, Redux, Electron, D3, Firebase, PostgreSQL, Auth0) *dataLabApp.com*
 - Data visualization desktop application allows user to query SQL databases, build live-updating custom charts in D3 based on the results, and then create and share dashboards of charts with other users
 - Developed the D3 chart editing controls and code templates, implemented live updating for the charts, and handled all aspects of data management concerning the charts
- ♦ **VideoShopper** (React, Redux, Express, Sequelize, PostgreSQL) *github.com/ahookom/videoShopper*
 - E-commerce website where users can browse, manage a cart and place product orders
 - Developed the Sequelize models and associations for the products, orders and users, created the backend API to access the database, implemented the “cart” functionality and created the animated filterable Products page
- ♦ **WordScramble** (React Native) *github.com/ahookom/wordScramble*
 - React Native game making extensive use of pan responders triggered by user touch
 - Made a trie-based dictionary for constant-time lookup and used Dijkstra’s Algorithm to have the game find optimal paths between English words
- ♦ **ScentyAnts** (Hackathon Grand Prize Winner, Solo Effort) *github.com/ahookom/scentyAnts*
 - Ant simulator in p5 where the ants coordinate through smell and evolve across 6 attributes through a combination of recursive descent and a genetic algorithm

PREVIOUS WORK EXPERIENCE

Instructor and Tutor

- Taught Introduction to Philosophy, Critical Thinking and Ethics courses for 7 years
- Ranked as a Top-Five tutor in Atlanta and Top-100 nationwide on Wyzant.com

- ♦ Part-Time Instructor, **University of West Georgia** Spring 2014 – December 2016
- ♦ Owner/operator/tutor, **Hookom Tutoring** October 2012 – January 2016

EDUCATION

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| Fullstack Academy
Highly selective software engineering bootcamp
1,000+ hours studying full stack JavaScript | New York, NY
January 2017 – May 2017 |
| Georgia State University
Master’s Degree in Philosophy
GPA: 3.94 | Atlanta, GA
August 2008 – May 2011 |