

# Garrett Welson

Full Stack Web Engineer | Austin, TX | He/Him/His

## APPLICATIONS

### Cash Overflow | Full-Stack App | Product Manager/Developer

Minimalist budgeting app using React and Express

- Led team of eight engineers to create monolithic web app using Github best practices and Agile methodology
- Developed React Router architecture to protect authenticated portions of UI while allowing unauthenticated demo access

### GoodMorning | React Native App | Designer/Developer

Morning routine manager for iOS using React Native CLI/Express

- Developed filtering logic based on DarkSky weather API data to conditionally return specific routine items for a given day
- Overcame styling limitations in native components for consistent design aesthetic throughout the UI

### Scalazon | System-Design Capstone | Developer

Scale legacy codebase from 100 records to 10M and load test

- Designed new Postgres and Mongo schemas for legacy codebase and compared performance using Artillery
- Seeded databases with 10M dummy records and successfully connected to front end codebase from a different engineer

### Hackmazon | Front-End Capstone | Developer

Front-end clone of Amazon's navigation/search/cart using SOA

- Used Mongoose to facilitate quick data lookup for auto-suggesting search bar React component
- Customized CSS with Sass to overcome Bootstrap limitations
- Created broadcast channel to make app communicate with four distinct microservices and trigger state changes

## PROFESSIONAL EXPERIENCE

### Hack Reactor, Software Engineering Immersive Resident

AUSTIN, TX | 2019 - PRESENT

- Lead review groups and office hours for bootcamp students
- Update and refine curriculum to reflect new technologies

### Take Flight Education, Co-Founder

AUSTIN, TX & SHANGHAI, CHINA | 2017 - PRESENT

- Edit and manage progress for 40+ college applications to competitive American universities with 100% acceptance rate
- Implements collaboration workflow for thousands of drafts

### Middlebury Interactive Languages, Business Analyst

MIDDLEBURY, VT | Full Time 2015-2017 & Contractor Summer 2018

- Wrote Python app that reduced time for weekly reporting task by 90% in time expenditure and increased accuracy
- Coordinated 25+ company responses to competitive RFPs, working cross-functionally with sales, engineering, and ops
- Overhauled data management and reporting workflow for enrollment and academic outcomes for \$1M+ business unit

garrettwelson@gmail.com

linkedin.com/in/garrettwelson

github.com/garrettwelson

(413) 230-7489

## SKILLS AND TECHNOLOGIES

### Front-End Engineering

Javascript (ES6, and beyond), React, React Router, Redux, HTML, CSS, Sass, CSS-in-JS, Bootstrap, Material UI, jQuery, Chart.js, React Native

### Back-End Engineering

Node.js, Python, Express, Axios, RESTful architecture, MySQL, Sequelize/Knex, MongoDB, Mongoose, PostgreSQL, Auth0

### Deployment + Testing

AWS Elastic Beanstalk, EC2, and S3, Docker, Webpack, Babel, Jest, Chai, Mocha, Atlas, Artillery

### Concepts and Developer Tools

Test-driven development, service-oriented architecture, microservices, Git/Github, Bash/Zsh

## EDUCATION

### Hack Reactor

AUSTIN, TX | 2019

Software Engineering Immersive

### Williams College

WILLIAMSTOWN, MA | 2011-2015

BA, Political Science, Cum Laude

### University of Oxford

OXFORD, ENGLAND, UK | 2013-2014

Visiting Student, Exeter College

## PERSONAL OVERVIEW

Software engineer with a background in socially-responsible business and community organizing

Outside of work, I'm passionate about food and cooking, board and role-playing games, education, and activism