

EDUCATION

Boston College | Carroll School of Management

May 2020

Bachelor of Science in Management, Concentrations in Computer Science & Information Systems

Chestnut Hill, MA

- 4.00 Major GPA, 3.88 Cumulative GPA, Ranked Top 5% of Graduating Class
- Relevant Coursework: Web Application Development (React.js), Data Structures and Algorithms (Java), Database Systems and Applications (SQL), Computer Systems (C), Principles of Programming Languages (OCaml)

EXPERIENCE

Software Engineer & Team Lead | Full Stack Developer (Python, JavaScript, HTML, CSS)

Spring 2020

Boston College, Computer Science Department

Chestnut Hill, MA

- Managed a team of 3 software engineers which designed, implemented, and deployed a large-scale web app that facilitates the application and assignment of Boston College teaching assistants (TAs)
- Led weekly code reviews, communicated best practices, and developed a road map for 4 months of Agile development
- Enabled TA office hours to be scheduled up to 5 times faster by implementing a click-and-drag calendar UI
- Developed the backend infrastructure for all admin activities, e.g. uploading / downloading CSV files from the system
- Worked closely with clients by gathering requirements and creating rich user documentation to ensure satisfaction

Software Engineering Intern | Full Stack Developer (React.js, PHP, SQL)

Summer 2019

Wayfair Inc., Customer Landing Experience

Boston, MA

- Enabled new UI layouts to be integrated 3 times faster by architecting a layout picker for email capture pages
- Helped my team's pages acquire over 2,400 emails / day by implementing an email capture page for in-store customers
- Quantified the benefits of using different UI layouts by integrating an A/B testing mechanism into email capture pages
- Rated as the highest performing engineering intern (#1/50) with perfect scores across all four categories (Team Building & Culture, Innovation & Results, Critical Thinking, and Communication)

Software & Curriculum Developer | Intro to Programming for Management (Python)

Summer – Fall 2018, Fall 2019

Boston College Carroll School of Management, Information Systems Department

Chestnut Hill, MA

- Co-created an introductory Python course for BC students; instructed 80+ students as the lead TA
- Authored 10 reading assignments, designed 2 coding projects, crafted 8 exercises, and devised the curriculum structure
- Decreased grading times by 80% by implementing an automatic grading system to evaluate and publish scores / feedback

Software Developer | Voice Activated Technology Research Associate (Node.js, DynamoDB)

Mar. – Dec. 2018

Boston College Carroll School of Management, Academic Technology Innovation Grant

Chestnut Hill, MA

- Designed, programmed, tested, and deployed 5 Alexa skills while operating in an Agile framework
- Increased student engagement and assisted professors by automating administrative tasks and persisting classroom data
- Authored user documentation and consulted with client professors to ensure smooth adoption of the software

SOFTWARE PROJECTS (see more at ajgreenwell.com)

spotifymanager.com | Frontend Web App (React.js)

Spring 2020

- Designed and implemented a web app that gives users more control over their music streaming experience
- Integrated with the Spotify API to enable the management and creation of playlists in ways that Spotify doesn't offer

ajgreenwell.com | Personal Website (JavaScript, HTML, CSS)

Spring 2020

- Developed web pages and personal content for showcasing software projects and accomplishments

mini-C Compiler | Programming Language Implementation (OCaml)

Spring 2020

- Constructed 4 modules that translate mini-C source code (a restricted version of C) into MIPS assembly code

SKILLS & TECHNOLOGIES

Proficient: Python, JavaScript, React.js, Django, HTML, CSS, SQL, Git

Familiar: Java, OCaml, C, Node.js, Express.js, Flask, PHP, Bash