

# Liam Neville

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## PROFESSIONAL EXPERIENCE AND LEADERSHIP

### QuantumScape | San Jose, CA

#### Software Engineer

June 2019 – Present

- Designed, implemented and shipped dozens of features to the company's in-house LIMS web application to improve efficiency, traceability and reliability of the laboratory procedures.
- Coordinated technical design meetings to create realistic and practical software decisions in order to serve the needs of a wide variety of current and potential use cases in the company's experiment-testing-analysis pipeline.
- Implemented a custom notification microservice to enable easy integration with Microsoft Teams Bots, Email clients and other services in a generic, secure manner to allow other internal applications to securely notify users in the company through a common API.

### Vassar College | Poughkeepsie, NY

#### Department Research Assistant to Prof. Pradhan

August 2017 – January 2018

- Developed and assisted with language processing web application technologies to improve professor's ongoing project, "Onto Notes"
- Project created using proprietary NLP technology to analyze written documents and provide deeper analytics about its contents
- Contributed to language processing by using tools such as Python, Ruby, SQL, Git to deconstruct and analyze grammar trees

### Vassar College | Poughkeepsie, NY

#### Computer Science Department Coach

January 2016 – Present

- Supervised a class of 30+ students through weekly labs using active learning techniques to expand necessary skills
- Spearheaded office hour sessions and discussions multiple times a week to provide on-hand support for projects, assignments and labs
- Oversaw professional development of peers to improve academic standing and ensure holistic progression through course

### Beehively | Davis, CA

#### Technology Services Associate

May 2016 – January 2018

- Lead the testing and development of the company's 2.0 software release to update new features and improve overall user experience
- Collaborated with associates in the development cycle in Ruby on Rails, HTML/CSS through testing, bug fixes and feature development
- Managed on-site outreach demonstrations with local schools to onboard administration and provide technical assistance and support

## PROJECTS (All demo links: <https://liamneville.me/>)

### Sensical | <https://sensical.herokuapp.com>

- Customizable, modular, collaborative, real-time classroom platform that enables users to work together remotely in one cohesive space
- Provides users the ability to code, draw, chat, video-chat and take notes together within an immersive environment
- Built using Node.js, React, Firebase, Material-UI, Twilio, Heroku, Ace

### E-Commerce Site | <https://graceshopper-shoelala.herokuapp.com>

- E-commerce site that allows users to select a variety of products, add to their personalized cart, and purchase items through Stripe
- Built with Node.js, Express, PostgreSQL, Sequelize, React, Redux, Material Design Bootstrap, Socket.io, Stripe, Axios, Passport

### NBA Playoff Simulator | <https://nba-playoff-simulator.herokuapp.com>

- Interactive simulator of the 2018 NBA Playoffs using real statistics and a sophisticated Monte Carlo simulation
- Built in a 4-day hackathon using Node.js, Express, React, Redux, PostgreSQL and Sequelize

### Get Stuff Done | <https://getstuffdone-82116.firebaseio.com>

- Robust, production ready, real-time task manager app built with NodeJS, Firebase and Electron.js to support a desktop and PWA version of the app, with multiple device sync automatically.

## EDUCATION AND COURSEWORK

### Vassar College | Poughkeepsie, NY

Spring 2019

#### B.A. in Computer Science Major, Minor in Mathematics

**Relevant Coursework:** Analysis of Algorithms, Operating Systems, Compilers, Declarative Programming, Object Oriented Programming, Artificial Intelligence, Programming Languages, Computer Organization, Modeling/Simulation/Analysis, Networking

### FullStack Academy of Code | New York, NY

#### 553-hour Fullstack Web Development Immersive Course

June 2018 - August 2018

- Participated in the #1 Web Development bootcamp in New York City in a full-time intensive JavaScript course
- Selected as one of 15 students from top universities across the U.S. to complete 3 full stack applications and 1 capstone project
- Received professional development workshops, leadership training and presentations from technology executives and industry experts

## SKILLS

**Programming Languages:** JavaScript, TypeScript, C# .NET, C, Java, Ruby, Python, Rust, Elm, Go, Scheme, Haskell

**Technologies and Frameworks:** React, AngularJS, Svelte, Redux, Bootstrap, Material UI, KendoUI, Semantic-UI, Mocha/Chai/Sinon, Cypress, Jasmine, PostgreSQL, MySQL, Google Firebase/Firestore, Express, Sequelize, Socket.io, Electron, Stripe, Azure CosmosDB, EF

**Development Tools and Strategies:** Git, Visual Studio, CI/CD, Agile Development, PWA, OAuth 2.0, Unix, Bash, Windows

**Natural Languages:** Fluent in English and Spanish

**Interests:** Blogging -- <https://medium.com/@lineville>, tech/sports podcasts, hiking, dog walking, casual gaming, pick-up basketball, tennis.