

# LIAM NEVILLE

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## EDUCATION AND COURSEWORK

Vassar College | Poughkeepsie, NY

Spring 2019

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

GPA: 3.4

**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

## PROJECTS

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>

- Efficient and secure to-do list app built with Node, Firebase and Electron.js to support a desktop and PWA version of the app

## PROFESSIONAL EXPERIENCE AND LEADERSHIP

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

Vassar College | Poughkeepsie, NY

*Division-III Student-Athlete*

- 4-time recipient of NCAA Academic All-American Award for outstanding personal achievement within the academic and athletic space
- Lead the second midfield unit through Vassar's most successful season and first appearance in the Liberty League playoffs

## SKILLS

**Functional Programming:** Scheme, Haskell, Elm, SML

**Imperative Programming:** JavaScript, Node.js, Java, Ruby, Ruby on Rails, C, x86 Assembly, Python, D

**Technologies and Frameworks:**

*Front End:* React, Redux, Bootstrap, Material Design, Semantic-UI, Mocha/Chai/Sinon, Cypress, Jasmine, React-Native

*Back End:* PostgreSQL, MySQL, Google Firebase/Firestore, Express, Sequelize, Socket.io, Electron, Stripe

**Development Tools and Strategies:** Git, GitHub, CI, CD, Agile Development, SCRUM/Kanban, PWA, OAuth 2.0, Unix, Bash

**Language:** Fluent in English and Spanish

**Interests:** Blogging, tech/sports podcasts, hiking, cycling, casual gaming, pick-up basketball