

Liam Neville

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PROFESSIONAL EXPERIENCE

QuantumScape | San Jose, CA

Software Engineer

June 2019 – Present

- Architected and deployed full-stack solutions at scale to extend functionality of in-house data management system and improve operational efficiency and reliability of process flows
- Lead technical design meetings with key stakeholders to navigate requirements, establish roadmaps and deliver on co-created objectives
- Created a notification service to enable custom integration of internal apps with MS Teams, Email clients and other providers through a generic, secure and extensible API
- Built a preventive maintenance system with configurable notifications, tool downtime tracking and automatic work order creation
- Developed powerful and performant user interfaces integrated with barcode scanning functionality to accelerate lab processes

Vassar College | Poughkeepsie, NY

Department Research Assistant to Prof. Pradhan

August 2017 – January 2018

- Developed and supported language processing web application technologies to improve professor's ongoing project
- 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 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 quality assurance of the Beehively 2.0 app built with Ruby on Rails and JavaScript/HTML/CSS
- Supported the development cycle of the Beehively web platform through testing, bug fixes and feature development
- Managed on-site outreach demonstrations with local schools to onboard administration and provide technical support

SKILLS

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

Technologies and Frameworks: React, Angular, Svelte, Redux, Bootstrap, Material-UI, Kendo-UI, Semantic-UI, Mocha/Chai/Sinon, Cypress, Jasmine, PostgreSQL, MySQL, MongoDB, Google Firebase/Firestore, Express, Sequelize, EF, Socket.io, Electron, Stripe, Heroku, Azure Cloud Technologies

Development Tools and Strategies: Git, Visual Studio/VS Code, Travis CI, GitHub Actions, Agile Development, PWA, OAuth 2.0, Unix, Bash, TDD

Natural Languages: Fluent in English and Spanish.

EDUCATION AND COURSEWORK

Vassar College | Poughkeepsie, NY

Grad. 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

12-week 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
- Developed a customizable, multi-user, real-time classroom environment to code, draw and chat in one space.