

Quinn Vinlove

Contact

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<https://quinnv.space>

Technical Skills

Proficient

JavaScript
Python
Golang
React
HTML/CSS

AWS

Linux

SQL

Java

Exposure

React Native

C++

OpenGL

OpenCL

Ruby

Education

BA in Computer Science & Mathematics, Lewis & Clark College

Expected December 2020

Coursework: Theory of Computation, AI & Machine Learning, Algorithms, Computer Graphics (Intro & Advanced), High Performance Computing, Networks & Web Development, Calculus III, Discrete Math, Linear Algebra, Probability & Statistics

Honors: Achieved a GPA above 3.7 for the Fall 2018 and Spring 2019 semester

GPA: 3.476/4.00

Experience

Lab Technician

July 2020 - August 2020

University of Alaska Fairbanks

- Created data visualizations and Python scripts to automate and speed up experimentation, which eliminated the need for hours of manual data processing work.
- Used PyQt5 and Pyinstaller to bundle the tool I wrote into a cross-platform application. Work available at <https://github.com/quinn2/mospide>

Summer Research Assistant

May 2020 - July 2020

Lewis & Clark College

- Used Matplotlib to generate visualizations for some of my peers' research projects, one of which was published in an IEEE journal.
- Developed generalized models to assess student learning with graph analysis, natural language processing, clustering, and classification techniques, while working on a team with other students and researchers across institutions. Published my findings in an ACM journal and presented at a regional computer science conference.

Cofounder, Backend Developer

July 2019 - July 2020

Collective Cloud Studios

- Used Flutter and Go to develop a cross-platform community event posting app with a small team, which was adopted by over 300 students at my school.
- Used S3 with PostgreSQL for data storage, and Heroku for deployment.
- Collected user feedback, pitched to school administration, and applied to seed grants.

Summer Research Assistant

May 2019 - July 2019

Lewis & Clark College

- Worked in a team with other students and professors across institutions to study topics in cybersecurity education.
- Tested and maintained a cybersecurity education tool, EDURange, with Ruby and Rails, to make it more reliable.
- Wrote a Go microservice to retrieve log files in real time from firewalled servers.
- Wrote infrastructure provisioning scripts for Chef, Bash, and Docker for AWS.

Selected Projects

Wearwell (<https://github.com/quinn2/wearwell>)

August 2020

- As a member of a team in the GenZHacks hackathon, I built a chrome extension to calculate the sustainability of clothing in online stores.

AutoCompCam (<https://github.com/quinn2/autocompcam>)

June 2020

- Implemented part of a computer vision paper to score photos based on scene composition. Used OpenCV, and Scikit-Learn to construct and train a support vector classifier.

IT Service Desk Web App (<https://github.com/quinn2/it-service-desk-app>)

November 2019

- Freelance work to build an information app for my school's IT service desk, with React Native. Reference design was provided to me in Adobe XD.

BeersToBars (<https://github.com/quinn2/brewhub>)

March 2019

- Assisted a startup team at Lewis & Clark College to build a functioning prototype of their marketplace product idea, with React, connected to an editable Airtable database and AWS Lambdas to handle sending email.

Activities

Winterim

January 2020

- Won first place overall and first place for a physical product in a weeklong entrepreneurship workshop and pitch competition.

Varsity Crew

Fall 2017 - Fall 2019

- Trained and competed at a varsity level on the Lewis & Clark men's rowing team. I also lead logistics efforts to prepare for travel to regattas, managed transportation to the boathouse, and planned team building activities.

SIGGRAPH Student Volunteer

August 2018, July 2019

- Participated multiple times in the student volunteer program at SIGGRAPH, a computer graphics conference. Duties included assisting with demonstrations at an emerging technology expo and answering attendee's questions