

Software Engineer

Professional experience with API development, Integrated Systems, DevOps, IOT, and Project Management.
Co-founder of software development firm building full stack solutions for professional clients.

Education:

Double Bachelor of Science in Computer Science and Economics.

- Minor in Business Administration
- Graduated June 2019

Professional Experience

Software Engineer - Arcimoto (July 2019 - Current)

- Fully designed and implemented a firmware version tracking system, now an integral tool for the Electrical, Software, Manufacturing, and Service departments.
- Established our first Continuous Integration workflows, and developed an accompanying tool to automatically build and deploy code to on-vehicle modules or testing repositories.
- Added functionality to custom vehicle telematics modules and infrastructure by leveraging AWS services (IOT, Lambda) to deliver live telemetry data for hundreds of vehicles via MQTT.
- Helped develop and support cross platform mobile app which implemented vehicle unlocking via BLE.

Data Science Internship - M Science LLC (March 2019 - July 2019)

- Wrote Python and Apache Spark w to query and manipulate datasets with millions of records.
- Worked with the DataBricks API to streamline analysis processes and workflow.
- Authored extensive professional documentation.

Performance Analyst Internship - Cairn Investment Performance Consulting (Summer 2017)

- Gained experience in Performance Measurement including Benchmark Analysis, Attribution Calculation, and Performance Presentation.

Technical Skills

- **Languages:** Python, C, C++, Javascript, Java, C#
- **Web Technologies / Frameworks:** REST APIs, Flask, Express, Django, Node.js, Express, SQL/NoSQL
- **Relevant Coursework:** Algorithms and Data Structures, System Architecture, Software Methodology, C/C++ and Unix, Unix System Administration, Unity Game Programming, Operating Systems, Artificial Intelligence.
- **Development and Production tools:** Git, Docker, AWS (Lambda, IOT, API Gateway, EC2)
- **Analytic Software:** Apache Spark, R Studio, numPy.

Relevant Project Work

“Summit Watch” (github.com/quinnmil/summit)

- This full stack open source project will serve as a comprehensive mountaineering resource aggregator, intelligently ranking and sorting reports and data from around the web.
- Project started after partner and I noticed a deficiency in solid online mountain-climbing resources.
- Build using Node / Express backend with a React frontend.
- Planned launch Spring 2019 @ <https://summit.watch>

“Monopoly” Application (github.com/quinnmil/Monopoly)

- An implementation of the classic board game using C++ and Qt graphics toolkit. Demonstrates proficiency in system design and programming practice
- Received full marks as an open-ended final project for C/C++ course.

“DenCity PDX” Web App (github.com/quinnmil/DenCityPDX)

- A craigslist style application built for the inaugural 2018 PDX Hack-For-A-Cause to create a marketplace for “Urban Density Credits” in the city of Portland.
- Learned Django web framework on the fly to collaborate with a team of 2 other students and 1 professional developer to develop a working prototype with a fully functional public API in less than 24 hours.