AIDAN MEHARG

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SKILLS

Software	• Python • bash • C/C++ • SQL • Git • Jenkins • AWS • GraphQL • adb • Linux • Windows • REST API • Appium • CI/CD • TCP/IP • OOP • Jira • Java • TypeScript • HTML • R • Swift
Data Science	• Data Visualization • Hypothesis Testing • Regression • Classification • Bayesian Statistics • Unsupervised Learning • Linear Algebra • Data Wrangling + Migration • Probability Theory
Additional	• Technical Communication • Cross-Team Collaboration • Code Review • Test Automation • QA • Agile Development • Adaptable • Responsible

EDUCATION

University of British Columbia

BSc | Combined Major in Computer Science & Statistics | Sep 2020 – Dec 2025

- CGPA: 4.0/4.3 (Dean's Honour List)

WORK EXPERIENCE

Firmware Engineering Intern | NETINT Technologies Inc. | Jan – Aug 2025

- Built and maintained integration pipelines for firmware and software releases of the Quadra VPU product line (video transcoding ASIC using NVMe protocol over PCIe).
- CI/CD with Jenkins and Apache Groovy scripting, managed hosts of various configurations including: Linux, Windows, Android, and Kernel-based Virtual Machines (KVM).
- Worked with software, firmware, hardware, and physical verification teams to create test coverage for critical features including: power draw performance, backwards compatibility, and core transcoding features.
- Worked extensively with the ffmpeg project.

Software Integration Engineering Intern | Rivian Automotive | Jan – Aug 2024

- Developed and maintained automated tests for the Rivian mobile app using Python, pytest, Appium, vehicle hardware, and GitLab CI/CD pipelines.
- Worked closely with cross-functional teams to design and implement robust test plans, aligning testing strategies with product goals and release timelines.
- Led the design and implementation of an automated battery consumption testing solution, increasing data collection capabilities by over 500% compared with the previous process.
  - Sourced hardware, created project proposals, provided detailed resource estimates to management.
  - Automated testing process, saving over 20 hrs of developer time per release cycle.

TECHNICAL PROJECTS

Jaffhour – iOS Time and Expense Tracking App | View on GitHub

- Mobile app for iOS built with Swift/SwiftUI for managing records and optimizing the invoicing process.

Personal Website | View here

- Created my portfolio website using JS, HTML, and CSS. Integrated Google firebase analytics.

Spotify Song Genre Prediction | View on GitHub

- Worked in a team of 4 to investigate performance of kNN models for predicting song genres using audio features provided by the Spotify API. Achieved 38.9% improvement in accuracy over majority classifier.

ADDITIONAL INFORMATION

Work Experience • *Contractor's Assistant* – Stuart Sproule Design & Build (2021 - 2023)
• *Mover* – You Move Me Vancouver (2019 – 2020)

Interests • Piano (Playing + composing for 12+ years) • Saxophone • Rugby • Hiking • Woodworking