Marvin Agonos

604-418-8129 | marvin.a@alumni.ubc.ca | GitHub | Personal Website

EDUCATION

University of British Columbia   Vancouver, BC
Bachelor of Science Combined in Computer Science, Physics and Chemistry   *Aug. 2016 – May 2022*

PROJECTS

Rental Car Company Management System | *Java, SQL, Oracle*
- Implemented service which handles vehicle inventory of multiple branches and transactions with customers by leveraging OracleDB
- Ensured modularity and testability by using OOP design methodology
- Managed project by ensuring progress aligns with the projected timeline, implementing iterative prototyping, and maintaining a standard for code quality, and readability

Real-time Bus Tracker | *Android, Java*
- Independently implemented app to track live bus locations, routes and stops using BC's transit API
- Wrote unit tests for code and debugged critical application issues such as crashes, and concurrency problems

FTP Server | *C Language*
- Created an FTP service by sending conventional networking commands to and from a server, utilizing ports and safely connect users behind firewalls/routers
- Connects both the terminal client and host by creating a IP socket on a designated port

Photo-sensitive Navigation Robot | *C Language, MSP430*
- Created a robot that tracks a remappable routes to designated point of interests using a micro-controller
- Integrated hardware such as an H-Bridge for motor control and photo-diodes for navigation along the track
- Managed analog signals, read data from components, and read/wrote to and from different registers in C

EXPERIENCE AND LEADERSHIP

Owner and Manager   November 2020 – June 2022
Marvin's Mining Services   *Burnaby, BC*
- Started a partnership business to mine cryptocurrency, generated a profit in under a year of running
- Scaled and expanded to 3 different locations while managing operations through remote software and troubleshooting issues in person
- Built a reliable partnership through clear communication and implementing frequent business strategy meetings
- Mitigated risk by researching the trade-offs of different venture paths resulting in a 40% increase in revenue

Computer Science Tutoring   June 2020 – May 2022
Work EDU   *Burnaby, BC*
- Taught introductory level Computer Science topics including basic algorithms, coding structure and logic
- Motivated students and led private lessons on subjects they are learning in school and walked them through creating projects of their own, such as creating a basic calculator or games like flappy bird

Hackathon Experince
- **BC GameJam 2020**: Developed an isometric survival shooter, with the goal of surviving as long as you can
- **BC GameJam 2019**: Created a competitive 2-player WarioWare inspired game; enjoyed by many when showcased

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (MySQL), Oracle, JavaScript, PHP, HTML/CSS, Solidity, R, MATLAB
Frameworks: JDBC, Spring Boot, React, Node.js, Express, Angular, BootStrap, Flask, JUnit, Django, MongoDB
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, MongoDB, npm, AWS
Libraries: NumPy, Matplotlib

INTERESTS

- **Climbing**: Bouldering and Sport Climbing • **Leaning new technologies** • **Hiking/ Backpacking**
- **Snowboarding and Skiing**