Cameron Way

cway140@gmail.com ❖ (604) 352-3456 ❖ github.com/cway14 ❖ camway.ca

WORK EXPERIENCE

Design It Corp.   Oct. 2017 – Present
Junior Software Developer
- Sole developer responsible for designing and developing a modular GPS tracker, using a mesh LoRa network to communicate position/data between devices
- Developed front and back-end systems for a finance module, including processing invoices and generating purchase order reports for Design IT's SaaS clients
- Revamped the build system for our web app for increased speed, decreasing development turnaround and feature rollout delays

Burnaby Association for Community Inclusion   June 2020 – May 2021
IT Assistant
- Gathered user requirements from several departments within the company for a new website
- Developed within a small team using Gatsby, Strapi headless CMS, AWS EC2, RDS, Amplify, and S3 services to create prototype for review by colleagues
- Supported the company through email, phone and on site for technical support ranging from Office 365 and ADP, to rolling out new systems such as Adobe Sign
- Assisted in moving away from paid VM's to more cost-effective cloud-based solutions on Azure

S&P Trend Prediction with Machine Learning   Fall 2022
- Researched previous works using machine learning to predict stock price and trend direction and spotted area of potential research
- Tested Support Vector Machines, Artificial Neural Networks, and Random Forest performance over a 17-year data set of financial indicators
- Compared several different parameter optimization strategies, coupled with correlation and data analysis to increase performance of the models
- Performed statistical analysis over data to find strongest correlations
- Achieved 84% accuracy when predicting next-day trend direction

Python Web Server   Fall 2022
- Developed an HTTP server to serve files using TCP sockets in python
- Created a web proxy to decrease latency, using conditional GET requests and storing files in memory
- Implemented and tested numerous erroneous edge cases such as connection timeouts, bad requests, and file not found status'
- Researched and applied multithreading using socket connections to increase the number of connections manageable by the server.

EDUCATION

Simon Fraser University   September, 2018 - Present
B.S., Information Systems in Business Administration and Computing Science   *Burnaby, BC*
- GPA: 3.7
- Competed on the SFU Lacrosse team, competing all over the west coast of the United States
- Participated in several hackathons, including SFU's CSSS Fall Hack and SFU Surge

SKILLS

Typescript, C++, Python, C#, Linux, Mac, Organization, Time management (as a student-athlete)