

Cameron Way

604-352-3456 | cway@sfu.ca | 939 Fort Fraser Rise, Port Coquitlam V3C 6K4 |
github.com/cway14 | camway.ca

Transferable Skills

- Strong time management skills and ability to prioritize
- Able to communicate ideas in an understandable fashion
- Adaptable and eager to learn on the go
- Setting SMART goals and sticking to them
- Can be trusted when a job needs to get done

Co-op Experience

Design IT Corp. – Junior Developer

May 2021 - Present

- Single-handedly designed and developed 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 which includes 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 – IT Assistant

June 2020 – May 2021

- Gathered user requirements from different 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

Technical Projects

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.

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
- Compared several different parameter optimization strategies, coupled with correlation and data analysis to increase performance of the models

Cameron Way

Technical Projects Continued

Android Matching Game - CMPT 276

Summer 2020

- Used Java and Android studio to develop a game where the user must find the matching image on a series of cards as fast as possible
- Applied Agile techniques to incremental releases and react to a 'customer's' changing requirements
- Introduced new features including, picking custom images, downloading cards, and choosing difficulty
- Collaborated with 3 colleagues to separate tasks by interest / skillset
- Reviewed iteration, and proposed solutions to pain points in our workflow

Personal Projects

PERN Stack To-do App (todo.camway.ca)

January 2021

- Developed app to learn about the full stack process, and gain a better understanding of the backend side of web development
- Implemented an Express REST API to easily interact with the PostgreSQL database using CRUD operations
- Used environmental variables to easily create local as well as production environments
- Deployed the full stack application using Heroku to host the front end, and using AWS's RDS to host the database

Weather Web App

Fall 2020

- Building a modern weather app using React and several third-party API's
- Implemented a location search bar with autocomplete using Google's Places API for the users to set their desired location
- Leveraged the Unsplash API to display a custom image for a unique to the user's location
- Sourced weather data from the API Open Weather maps to display accurate metrics to users

Course Planner - CSSS Fall Hack (csss.camway.ca)

Fall 2020

- Devised a solution to ease the process of course selection for our fellow students in computer science
- Leveraging the fast development time of React + Tailwind, we brought our course planner to life in a matter of hours
- Mentored two first time JavaScript developers to create a product to be proud of by the end of the day

Education

Simon Fraser University (3.6 GPA)

Joint Major Computer Science and Business Administrations, B.Sc.

Deans Honour Roll

Elma Krbavac Undergraduate Scholarship in Computing Science Recipient

September 2018 – Current