



EDUCATION

Bachelor of Commerce, Business and Computer Science, UBC

Expected Completion: Dec 2021

- UBC Outstanding International Student Award (\$12,000): awarded to students who have a strong academic record and display impactful community involvement.
- Key Classes: Systematic Program Design (CPSC 110: 91%), Differential Calculus (MATH 104: 84%).

WORK EXPERIENCE

Incoming Software Engineering Intern, *European Space Agency*, Cologne, Germany

Jan 2021 - Apr 2021

I will be involved in one or several of these tasks:

- Improving the current version of the Electronic Field Book user interface.
- Laying the groundwork for advanced modules to interface EFB with external peripherals, such as 360° cameras, microscopes, spectrometers, etc.
- Investigating state of the art in application of Machine Learning (ML) algorithms for recognition of planetary materials from multispectral datasets and proceed with their implementation and interface with the EFB runtime.

Full Stack Software Developer (Co-op), *AppNeta*, Vancouver, B.C.

Jan 2020 – Apr 2020

- Designed and implemented components of the APM's web application from database to the UI using Java, SQL, JavaScript (React and Ember / JSP), HTML, Python and CSS.
- Extended the experience dashboard view from 7d to 30d which directly led to a customer win.
- Wrote a python script to clean up 82 dangling GMPs from APM servers (dev and prod) and created a TeamCity job to run the script every time a GMP is decommissioned.

Software Test Engineer (Co-op), *AppNeta*, Vancouver, B.C.

Sept 2019 – Dec 2019

- Responsible for generating test plans to meet Acceptance Criteria, User Stories, and Epics (Agile Methodology) whilst collaborating with team members through JIRA.
- Suggested and implemented multithreading to run API test suite which reduced runtime by approximately 79%.
- Responsible for growing and maintaining a suite of automated tests using Python and other internal tools.
- Utilized Azure's Kubernetes service to deploy a cluster of containerized monitoring points and found an opportunity to reduce the companies' costs on Global Monitoring Points.

Marketing & Operations Associate, *BYC & Wize*, Vancouver, B.C

Oct 2018 - Apr 2019

- Suggested and conducted a social media marketing campaign that led to a 59% increase in sales.
- Conducted in-person marketing tasks such as flyering and assisted in running BYC review sessions to provide and smooth experience for students.

TECHNICAL PROJECTS

hairAble (nwHacks hackathon)

January 2020

- Developed a hairstyle recommender that receives a picture of a face as an input and outputs grooming tips based on its analysis of the individual's facial structure.
- Implemented the back-end using C#, CoreML, and Microsoft Azure's Machine Learning libraries while team members constructed the UI using Swift.
- Diligently trained the program on stock images as well as other individuals present at the hackathon which resulted in an 81% correct prediction rate.

SmartBank

September - November 2018

- Developed a Java program to model a bank including functionality to request stock prices using IEX's API.
- Included the option to resume where a user left off by saving a JSON file with information concerning the ID and price of each stock purchased during the session. Upon starting the program again, the file was parsed, and the user had the ability to sell the stock to make a profit or loss by comparing it to the current price.
- Added an easter-egg 2-D video game to "Rob the Bank" using JavaFX.

LEADERSHIP EXPERIENCE

Computer Science Student Society Officer *UBC Computer Science*, Vancouver, BC

Jan 2019 - Present

- Assisted in the coordination/promotion of an end of year Gala held by the CSSS which took place on a cruise ship.
- Organized weekly tutoring sessions for students taking first year computer science courses.

Robotics Team Captain, *International School of Dakar*, Senegal

Sep 2015 - June 2017

- Led the first VEX Robotics Team in West Africa and competed in the Barcelona preliminaries, finished third.
- Coach and mentored a group of local Senegalese students the following year; selected as a liaison for the FIRST Global Robotics challenge that was held in the Washington, D.C. where the team placed 55th out of 160+ countries.