

**TECHNICAL SKILLS****Programming Languages:** C, C++, C#, Java, TypeScript, CSS, HTML, Python**Technologies:** Azure DevOps, Jira, Git, React, RDBMS, VS Code, MATLAB, .NET Core and Entity Framework**TECHNICAL WORK EXPERIENCE****Web Developer Co-op (8 months), BGC Engineering Inc.**

Sep 2021 – Present

- Working on the company's main enterprise geohazard management web application using a proprietary JavaScript framework and Esri ArcGIS in an Agile Scrum environment.
- Acquired skills in TypeScript, React, SQL, C#, .NET, and Entity Framework to develop new features for the software.
- Transferred to a new team after 2 months of starting my co-op due to my technical acumen, which consisted of only senior devs, tech leads, data scientists and GIS personnel. Helped develop complex client specific requests, such as the main layer control panel for the application.

**VP Logistics and Tech, BizHacks**

Sep 2021 – Present

- Head of Logistics and Tech at a student-run organization with over 25 members, established 7 years ago.
- Organized a Prototype Hackathon sponsored by Apply digital, raising a revenue of \$6.5k, where 90+ students registered.
- Organized and co-hosted a networking session for students with different Microsoft employees.

**Mobile Application Developer (Volunteer), LivestockCity Inc.**

July 2021 – Sep 2021

- Worked at a start-up to make a mobile application UI using React Native with Expo, to be used for buying/selling houses.

**PERSONAL PROJECTS****Multicity-Weather Application (<https://weather-app-front-v2.herokuapp.com/>)**

June 2021

- Developed a multi-city weather viewing application using Firebase Auth for authentication and Firebase Firestore for data persistence. Users can view the 24-hour graph of the weather of any city.

Technologies Used: JavaScript, React, Firebase, Heroku, Node, Express

**Food Recognition Application (<https://shubh-food-recognition.herokuapp.com/>)**

Jan 2021 – Feb 2021

- Users submit an arbitrary image URL, which is sent to a machine learning model to identify which food items are present in the image URL. Added the number of food items identified to the user's profile in the database.
- Designed a server RESTful API using Express with various endpoints to facilitate different API calls and tested the functionality using Postman collaboration platform. Connected a PostgreSQL database to a Node server.
- Stored the data using PostgreSQL hosted on Heroku and hashed user passwords using Bcrypt before storing them in the database.

Technologies Used: React, Node, Express, PostgreSQL, Postman, Knex.js, Heroku

**Workout Logging Application (<https://github.com/shubhbhalla/Workout-storing-Application>)**

Oct 2020 – Nov 2020

- Built a desktop application with Java to store custom user defined weightlifting records.
- The user interface was made with Java Swing Library and the workout data was stored in JSON format on the local machine. The application was tested thoroughly using JUnit with 95% code coverage.

Technologies Used: Java, Swing, JSON, JUnit

**EXTRA CURRICULAR ACTIVITIES****VP Volunteering, Computer Science Student Society UBC**

June 2021 – Present

- Helped organize events for the CS students including headshot photo-taking event, research night and online social events.
- Organized and hosted Tech Industry Night, where we connected different companies with UBC CS Students; sponsored by companies for their attendance.

**Brand Ambassador, Wize Prep**

Feb 2021 – April 2021

- Connected Wize with friends, clubs, and student groups at UBC and helped to grow Wize's student reach by referring students all around the globe to their website.
- Presented information about the various pricing options in a manner that appealed to the students and guided them to choose whatever was most useful to them.

**House Council, UBC Housing Services**

Sep 2019 – April 2020

- Member of the house council at UBC's first-year on-campus residency. Collaborated with clubs on campus to organize large-scale events for the residence community.
- Fostered a sense of belonging among international students and maintained weekly/bi-weekly check-ins on their mental health.

**EDUCATION****Computer Science Major, University of British Columbia, Vancouver, Canada**

Sep 2019 – Present

- Admitted into Dean's List and Science Scholar's list (students who have 90%+ average) in first year based on academic performance.
- Received Dean of Science Scholarship and Trek Excellence Scholarship (given to top 10% of students).

Session	Degr/Catg	Year	Term	Course	#	Credits	Description	Grade	Standing
2021W	DEGR	3	2	CPSC	299	3	WORK PLACMNT II		
2021W	DEGR	3	1	CPSC	298		WORK PLACMNT I		P
2020W	DEGR	2	2	CPSC	213	4	INTRO COMP SYS	A	
2020W	DEGR	2	2	CPSC	221	4	BASIC ALG&DATA	A-	
2020W	DEGR	2	2	ECON	102	3	PRINCPL MACRECON	A+	
2020W	DEGR	2	2	STAT	302	3	INTR PROBABILITY	A+	
2020W	DEGR	2	1	CPSC	210	4	SFTWR CONSTRUCTN	A+	
2020W	DEGR	2	1	MATH	200	3	CALCULUS 3	A+	
2020W	DEGR	2	1	MATH	221	3	MATRIX ALGEBRA	A	
2020W	DEGR	2	1	STAT	200	3	ELEM STAT APPLIC	B+	
2020S	DEGR	1	2	WRDS	150	3	RSRCH&WRIT HUMAN	A-	
2019W	DEGR	1	2	ATSC	113	3	APPL METEOROLOGY	A+	
2019W	DEGR	1	2	CPSC	121	4	MODEL COMPTN	A	
2019W	DEGR	1	2	MATH	101	3	INT CALC AP PH S	A+	
2019W	DEGR	1	2	PHYS	101	3	ENERGY & WAVES	A+	
2019W	DEGR	1	2	SCIE	113	3	SCIE SEMINAR	B+	
2019W	DEGR	1	1	BIOL	111	3	INTR MODERN BIO	B+	
2019W	DEGR	1	1	CPSC	110	4	COMPTN PROGRMNG	A+	
2019W	DEGR	1	1	ECON	101	3	PRIN MICRO ECON	A+	
2019W	DEGR	1	1	MATH	104	3	DFF CALC AP C&SS	A+	