

Brock Chelle

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Engineering Co-op Program
University of Alberta

University of Alberta Academic and Co-op Status

Computer Engineering - Software, BSc Co-op	Class of 2022
Cumulative Grade Point Average	3.4/4.0
Completed Academic Terms	5 of 8
Completed Co-op Work Terms	2 of 4
Next Work Term	May - December 2021

Computer Experience & Skills

Languages: Typescript, Javascript & NodeJS, Python, C/C++, Swift, Java, HTML, CSS.

Libraries & Frameworks: React, JQuery, ExtJS, Express, Mongoose, Passport, SASS.

Databases: MongoDB, Firebase, SQLite.

Operating Systems: Windows, Ubuntu, MacOS.

Version Control: Git (Github, Gitlab), Subversion.

Other: Figma, MSOffice, Google Drive, Jira, Confluence, Crucible.

Work Experience

Willowglen Systems Inc , Edmonton, AB	January - September 2020
Co-op Software Developer	
<ul style="list-style-type: none">• Developed a backend application with C++ to collect and analyze data regarding GPS locations.• Developed a front end application with JQuery, HTML, and CSS which is used for creating and visualizing reports for safety and system accuracy.• Designed & Implemented several front end components with ExtJS for a client upgrade project.• Completed thorough field testing with our QA team to ensure quality of a new product.• Performed code reviews for other developers at Willowglen.• Led multiple company update meetings with 30+ attendees.• Analyzed the current state of a client's existing software as part of an upgrade project.	

Google Developer Student Club , Edmonton, AB	September 2020 - April 2021
Technical Lead - Current Role	
<ul style="list-style-type: none">• Overlooked the technological design and development of all projects conducted.• Responsible for code design and efficiency.• Provided mentorship to members of the club with less experience.• Ensured smooth development and learning, including instructing at events and workshops.• Collaborated with companies and leaders of other clubs to expand the organization's network.	

Portfolio Projects

KeepIt – Item Tracker

June - September 2019

iOS Application

- Developed an iOS application using Swift that helps users keep track of their belongings.
- Used Google Firebase for Authentication, Cloud Storage, and to store User Information.
- Implemented the MVC design pattern to separate the UI from the data.
- Created a prototype of the UI using the Figma design software.
- App was approved by the app store and is available on all iPhone and iPad devices.

CollaboGreat

June 2020 - Present

Full-Stack Web Application - In Progress

- Developed an internal REST API with NodeJS, and Express.
- Implemented user authentication using the OAuth framework.
- Developed the front-end with React, Redux and supporting libraries.
- Performed extensive API testing with Postman.
- Created a formal Software Requirement Specification to establish necessary functionalities.