

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

Google Developer Student Club , Edmonton, AB	September 2020 - April 2021
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Technology Lead

- 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.

Willowglen Systems Inc , Edmonton, AB	January - September 2020
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Co-op Software Developer

- 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.

Portfolio Projects

CollaboGreat

June 2020 - Present

Full-Stack Web Application - In Progress

- Designed and Developed a Full-Stack web application used to increase the productivity of teams.
- 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.

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.