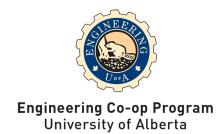# Brock Chelle

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GitHub: github.com/blchelle

Engineering Co-op Program
University of Alberta

Education

University of Alberta	September 2018 - April 2022

Software Engineering Student
- Gained extensive knowledge in various software development domains, including Mobile Development, Reinforcement Learning, Systems Development, and Database Administration.
- Received the Jason Lang Scholarship every academic year.
- Achieving a cumulative GPA of 3.4 / 4.0.

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

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.
- Collaborated with companies and leaders of other clubs to expand the organization's network.

Willowglen Systems Inc, Edmonton, AB	January - September 2020

Software Developer
- Developed a backend application with C++ that is used to save the lives of metro-rail track workers.
- Created a front-end application with JQuery, HTML, and CSS, which compiles reports for safety and system accuracy.
- Designed & Implemented several front end components with ExtJS for a client upgrade project; these new components were approved and applauded by the client.
- Led multiple company update meetings with 30+ attendees, resulting in company-wide clarity regarding each active project's status.

Personal Projects

CollaboGreat   June 2020 - Present
Full-Stack Web Application - In Progress
- Developed an internal REST API with NodeJS and Express used to handle and respond to requests from the front-end.
- Implemented user authentication using the OAuth framework, which allows users to authenticate with their existing Facebook, Google, or Github accounts.
- Designed and Created the front-end with React, Redux and supporting libraries.

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 Store URL: https://apps.apple.com/ca/app/keepit-item-tracker/id1474698806