

Cormac Mollitor

Bachelor of Computer Engineering, 4th Year
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CORE TECHNICAL SKILLS

Languages: Java, Ruby, C/C++, JavaScript, Python, SQL, HTML, CSS, Verilog, ARM, x86

Libraries/Frameworks: Ruby on Rails, AngularJS, Bootstrap, React Native, Redux, jQuery, D3.js, Vis.js, JUnit, Mockito

Other Technologies: Git, Docker, Spanner, Visual Studio, Eclipse, IntelliJ, ModelSim, Quartus

EDUCATION

University of British Columbia

Bachelor in Computer Engineering

- Expected graduation: May, 2020

Vancouver, BC

September 2015 – Present

WORK EXPERIENCE

Google

Software Engineering Intern

Seattle, WA

May 2019 – August 2019

- Designed, developed, and tested a new supply chain workflow in Java for associating data center orders with shipments that improved data integrity, decreased points of failure, and increased order transparency for users.
- Developed and tested an RPC interface hosted by the orders service that can be called to associate orders with their respective shipments.
- Developed and tested schema changes and logic for calling the RPC interface hosted by the orders service from the shipments service to associate shipments with their respective orders when they are ready for transport.

UBC Department of Chemistry

Full Stack Web Developer Co-op

Vancouver, BC

May 2017 – August 2018

- Developed front-end and back-end bug fixes and features as well as unit tests for Alchemy, a scenario-based learning tool, using Ruby on Rails, AngularJS, HTML, CSS, Bootstrap, Git, and Docker.
- Researched and prototyped with traditional machine learning, deep learning, and natural language processing libraries to be used in a learning analytics pipeline.
- Participated in requirements gathering sessions with instructors, students, and TAs to gain insight on what features and improvements would make Alchemy an appropriate and rewarding technology.

TECHNICAL PROJECTS

Internado (Web Application)

React, Node.js, PostgreSQL

Student Team Project (UBC Launchpad)

September 2018 - May 2019

- Developed an internship job board that scrapes jobs from ZipRecruiter, Indeed, and LinkedIn to provide students with relevant internships based on the skills and interests that they provided.
- Designed and developed the frontend UI and API client using React for the job postings page where students can search for jobs, view jobs, and filter jobs.
- Worked in a 9 person scrum team to choose appropriate technologies, develop user stories, and plan sprints.

UBSafe (Mobile Application)

React Native, Node.js, Google Firestore

Course Project, 1st Place (CPEN 321)

September 2018 - December 2018

- Developed a campus safety mobile application that allows students to form virtual walking groups to monitor their friends travelling to their destinations to ensure that they arrive safely.
- Designed and developed the frontend UI using React Native to provide features such as a list of emergency resources that can be called when pressed, a virtual safewalk screen where users can join virtual walking groups, and a safety kit.
- Integrated Facebook authentication for user login, Google Maps for displaying directions, user location, and safety resources, and Google Firebase to share real-time location using Firestore and provide push notifications.

Alchemy (Web Application)

Ruby on Rails, AngularJS, Bootstrap, HTML/CSS

Work Project

May 2017-August 2018

- Developed the frontend display and backend modified DFS algorithm of a non-linear assignment progress bar feature that received overwhelmingly positive reviews by over 400 students in a 200 level chemistry course.
- Designed and developed the frontend and backend of several graph creation, navigation, and editing features used by instructors to create assignments.
- Resolved over 60 tickets during my first 3 months of work which enabled us to triple the size of our user base.