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EDUCATION

University of British Columbia | *B.Sc. Computer Science*

Sep 2019 – May 2024

- Dean's List, Men's Ultimate Team (USAU D1)

EXPERIENCE

Thrive Health | *Full-Stack Software Developer Co-op*

Sep 2021 - Present

- Implemented SaaS feature flags for various Canadian universities' Covid-19 vaccination verification platforms
- Optimized and automated Selenium regression testing and Jest unit testing suites
- Expanded SSO user configurations and profile management capabilities using TypeScript and Redux
- Imported over 60 schedules to be used by vaccine coordinators and patients using scripts and PostgreSQL
- Expanded REST APIs to accommodate demands of new list views framework

VOLUNTEERING

Dive Chat | *Front End Development Intern*

Jun 2020 – Aug 2020

- Implemented profile and settings workflows on mobile application using React, React Native, and UX/UI
- Integrated analytics and user metrics using Firebase and Google Analytics to track growth for over **5,000 launch users**

Ultimate Canada Data and Analytics Working Group | *Volunteer Developer*

Dec 2020 – Jun 2021

- Assisted in refactoring Trialist app for use by high performance Canadian national/international Ultimate Frisbee teams
- Analyzed React legacy code to facilitate updating to newer version, created UML diagrams, and compiled a comprehensive technical manual underlying key components from app

PROJECTS

QuickReact | Java Mobile Application | *Java, XML*

- Developed mobile application for athletic performance agility training using auditory prompts

eXamine | Python Application | *Python, TKinter*

- Created face-recognition application for student ID verification in online exam invigilation
- Implemented OpenCV, NumPy, and Face-Recognition to detect and cross-verify exam attendance with student IDs

meetmap | Web Application | *HTML/CSS, JavaScript*

- Developed live map to display current population density in an area for Covid-19 safety
- Deployed Google Maps and Places API from Google Cloud Platform to create live heatmaps and map search functions

JotBot | Chrome Extension | *HTML/CSS, JavaScript*

- Designed a Google Chrome extension to help students take notes and make webpages more accessible
- Implemented Optical Character Recognition (OCR) and Google Tesseract.js to convert webpages and images to text

CheckPoint | Web Application | *HTML/CSS, PHP, MySQL*

- Incentivized student productivity by a point-based rewards system for completing tasks
- Implemented class login system and rewards system using MySQL database and PHP scripts

TECHNICAL SKILLS

Development: HTML/CSS3, React/Typescript, Javascript, Java, C/C++

Tools: Expo, Github, Git, JUnit5, Jest, Selenium

Creative/Prototyping: Illustrator, Photoshop, Premiere Pro, Figma