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## EXPERIENCE

**Excelar Technologies** | *Software Engineer + DevOps Co-op* Sep 2023 – Apr 2024

- Implemented cron-triggered S3 patient data injection into Apache Airflow platform
- Integrated backend CSV/JSON parsing web service using pandas and csv libraries to support data simulation
- Embedded Grafana logging and alert handling to detect abnormal Kubernetes pod behaviour

**Thrive Health** | *Full-Stack Software Developer Co-op* Sep 2021 – Apr 2022

- 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 principles
- Integrated analytics and user metrics using Firebase and Google Analytics to track growth for over **5,000 launch users**
- Optimized profile unit test render time by 37%

**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

## EDUCATION

**University of British Columbia** | *B.Sc. Computer Science* Sep 2019 – May 2025

- Dean's List, Men's Ultimate Team (USAU D1) Marketing/Communications executive

## PROJECTS

**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

**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++

**DevOps:** Jenkins, Kubernetes, Docker

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

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