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## Objective

As a software engineer graduate from the University of Calgary, I am interested in a position that will utilize my knowledge in software development and testing. I enjoy working close with teams to help develop efficient, scalable, and innovative systems. Furthermore, I am motivated and driven to continuously learn and expand my skill set through challenging projects and mentorships.

## Education

### University of Calgary

Software Engineering, Bachelor of Science  
September 2016 – April 2022

### University of Málaga (Study Abroad)

Project Management  
May 2019 – June 2019

## Skills

- Python
- C++
- JavaScript
- C#
- Java
- React Framework
- MATLAB
- Jenkins
- Robot Framework
- Golang
- Git
- Jira
- Confluence
- Notion
- Excel

## Certifications

### Go: The Complete Developer's Guide

Udemy | January 2024

### Unit Testing and Test-Driven Development in Python

Udemy | June 2022

## Work Experience

### Software Test Designer

Hexagon | NovAtel | May 2022 – Present

- Work in the **Aerospace and Defence** team to run GNSS testing for aviation ground reference receivers.
- Develop tests/frameworks with **Python** and **Robot Framework** through **agile** practices and **V-Model SDLC**.
- Help develop/create **C++** aviation receiver firmware for customers in North America, Europe, and Asia.

### Code Tutor

Code Ninjas Marda Loop | September 2021 – July 2022

- Taught students to code through a variety of coding challenges and games.
- Taught fundamentals of **JavaScript**, **C#**, and **Unity** to students.
- Managed/organized course content for in-person and online classes.

### Software Quality and Engineer Intern

Garmin | May 2020 – August 2021

- Worked in the **Sensor Hub** and **Optical Platform** teams for smart watches to create drivers, firmware, and tests pertained to metrics such as heart rate and SpO2.
- Created a **Python** data collection framework to automate sensor tests.
- Developed other software and test scripts using **Python**, **C/C++**, and **C#**.

## Extracurricular and Projects

### Website Portfolio

React Project | December 2023

- Created a personal website portfolio with **HTML**, **CSS**, **JavaScript** and **React**.
- Used **Firebase** to host and store website data.

### General Program Coordinator

Schulich Community Robotics Program | April 2018 – August 2023

- Developed and organized courses geared towards children/youth to learn programming, engineering, and problem solving.
- Created a program called Discover Programming which taught children how to use **Python** through **Processing** and **PyGame**.
- Taught other skills such as **Arduino**, **Scratch**, and **Lego Robotics**.

### PK Sound GPS Rental Tracker System

University of Calgary Capstone Project | August 2021 – May 2022

- Worked as the project manager for our capstone sponsor **PK Sound**.
- Designed a website with **React** accompanied by a physical tracker to track PK Sound rental speakers on a live map.
- Developed a physical GPS tracker in **Arduino** and **C/C++**.

### Weather Classification Program

Machine Learning Project | December 2021

- Created a program to classify images of weather using **machine learning**.
- Trained a set of data and passed test images into a **CNN sequential model** using **Python** and **TensorFlow** libraries.