

Ziqi (Leo) Su

Skills

- **Languages:** C++, C, Java, C#, JavaScript, Python, HTML/CSS, and SQL.
- **Technical Tools:** Express.js, RESTful, React, Typescript, AWS, Git, etc.
- **Machine Learning:** DataFrame, Matplotlib, TensorFlow, PyTorch.

Education

University of British Columbia - Electrical and Computer Engineering

Bachelor of Applied Science

Sept, 2016 – Apr, 2020

- On Dean's Honor List (Top 5% of the program)
- Related Courses: Data Structure and Algorithms; Website developments, TCP/IP

Master of Engineering

Sept, 2020 – Dec, 2022

- Related Courses: Machine Learning Applications; SDN

Work Experience

FPS Food Process Solutions Corporation

Controls Engineer

Dec, 2022 – Present

- Created a GUI Application with Python Qt Designer to visualize, manage and update Job-Records from three weekly-updated databases and email events.
- Translated database reporting needs into SQL queries and utilized the Inductive Automation tool (Ignition Designer) to deploy data to webpages and alarms on more than 10 projects.
- Documented 100% of customers' requirements and specification reports.

BioInteractive Technologies (Startup): Wearable Wrist-Recovery Device

Firmware Engineer Co-op

May, 2021 – Aug, 2021

- Utilized gyroscope and Bluetooth modules to enable accurate location data measurement and transmission to chips with less than 10ms latency.
- Increased device's battery lifespan by 15% by establishing battery saving and arouse states.
- Decomposed product requirements into testable scenarios, built live prototypes, and conducted tests to showcase algorithm functionalities to clients.

Technical Project

Car Selling Website

Dec, 2022 – Present

Created a front-end website to display the real-time car-selling posts from AutoTrader.com.

- Applied React and Typescript to develop webpages and rendered Live external APIs.
- Programed unit test cases with React Testing library and Postman.

Library Management System

May, 2022 – Aug, 2022

Worked on a full-stack project to manage books in a library using HDML/CSS, Express.js, and deployed server with Heroku 24/7 alive online.

- Used libraries including Bootstrap, EJS, jQuery and MongoDB platform, etc.
- Successfully applied it to a practical scenario at work in FPS.