Shuyao Wen

TECHNICAL SKILLS

- C/C++
- Java
- Python

- Git/GitHub
- MongoDB
- Rust

- Linux Shell
- Flask
- Android

- React.js
- Node.js
- HTML/CSS/JS

EDUCATION

University of British Columbia   **Expected Graduation: Apr 2023**
Bachelor of Applied Science – Computer Engineering
- Enrolled in Engineering Co-op program
- Cumulative Average: **85%**, **Dean's Honor List**

WORK EXPERIENCE

Microchip, Burnaby, BC   **Sep 2021 – Present**
Architecture Co-verification Engineer
- Responsible for enabling HW/FW development and co-verification of SOC designs through emulation
- Contributed to a **C++ framework** that enables faster verification of a new consumer microchip

TECHNICAL PROJECTS

StatSleuth Web Application   **Sep 2021**
- Developed a web app that simplifies the process of querying technical documents for statistics
- **2nd place winner** of Medhacks 2021. Built with **React.js**, **Express.js**, and **Elasticsearch**
- Link: https://devpost.com/software/statsleuth?ref_content=my-projects-tab&ref_feature=my_projects

QueTips Web Application   **Jan 2021**
- Developed a full-stack web application that converts student notes into flashcards
- Built with **React.js**, **Express.js**, **Firebase**, **AWS**, and **Docker**

GoalStarter Android Application   **Dec 2020**
- Developed a full-stack Android application aimed to help individuals accomplish goals
- Built with **Android Studio**, **Firebase**, **Express.js**, and **MongoDB**
- Link: https://github.com/CPEN321-GoalStarter/Frontend-Backend

Personal Portfolio Page   **Jul 2020**
- Created a personal website and hosted the webpage on **GitHub Pages**
- Gained experience in front-end web development
- Link: https://github.com/ShuyaoWen/ShuyaoWen.github.io

ENGINEERING STUDENT TEAM

UBC Bionics   **May 2021 – Present**
Software Embedded Team
- Member of a multi-disciplinary engineering student team designing and implementing a bionic arm
- Designs and implements **kernel software** that facilitates interaction between different components of the arm