

Shuyao Wen

EDUCATION

University of British Columbia

Expected Graduation: Apr 2023

Bachelor of Applied Science – Computer Engineering

- Cumulative Average: **85%**, **Dean's Honor List**, Enrolled in Engineering **Co-op** program
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WORK EXPERIENCE

Arista Networks, Vancouver, BC

Jan 2022 – Present

Software Engineer Intern (CloudVision Back-end)

- Developing **high-concurrency** network simulation software using **Go** to monitor, test, and optimize large-scale data center network fabrics

Microchip, Vancouver, BC

Sep 2021 – Dec 2021

Architecture Co-verification Engineer Intern

- Connected the existing SystemVerilog verification setup to **C++** code using **SystemVerilog DPI**
 - Built a new **C++** hardware verification framework for a microchip, automating a **4-hour** manual testing process into a software pipeline
 - Created a **Makefile** to automate test compilation of the new **C++** hardware verification framework
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ENGINEERING DESIGN TEAM

UBC Bionics

May 2021 – Present

Software Embedded Team

- Member of a multi-disciplinary engineering student team designing and implementing a bionic arm
 - Created **kernel software** that facilitates interaction between different components of the arm using **Rust**
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TECHNICAL PROJECTS

StatSleuth Web Application ↗

Sep 2021

- Engineered 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**

QueTips Web Application ↗

Jan 2021

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

GoalStarter Android Application ↗

Dec 2020

- Coded a full-stack Android application aimed to help individuals accomplish goals
 - Built with **Android Studio**, **Firebase**, **Express.js**, and **MongoDB**
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TECHNICAL SKILLS

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|----------|--------------|-----------------------|---------------|
| • C/C++ | • Rust | • Linux Shell | • React.js |
| • Java | • Go | • Android Development | • Node.js |
| • Python | • Git/GitHub | • MongoDB | • HTML/CSS/JS |