

# Emilyn Sim

## UBC Computer Science

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### TECHNICAL EXPERIENCE & PROJECTS

#### **WearWise Application**

Feb 2023 – Apr 2023

#### **A Cost Tracking Application**

- Developed Java-based functionality to allow users to track clothing wear count over time, generating data on cost per wear by brand and item.
- Designed features using object-oriented programming principles.
- Tested with JUnit, using debugging techniques and test-driven development.
- Utilized JSON parsing skills to model data presented in JSON format.

#### **Software Developer Intern**

Jul 2021 – Mar 2022

#### **Faster Than Light Computing**

- Used BASH scripting to automate the integration of a NAC into the deployment of company services, enabling remote configuration of switches and VLANs.
- Created a solution for tech support to approve devices into VLANs remotely and configure ports to the connected device automatically improving support efficiency.
- Worked under the guidance of a senior developer and network administrator, gaining knowledge in network administration, software development, and collaboration through confluence.

### TECHNICAL SKILLS

**Languages:** Java, JavaScript, BASH, HTML, CSS, Racket, C++, C, PHP, R

**Development Tools:** Git, IntelliJ, VSCode, JUnit, Confluence, Adobe, ReactJS, Swing, Excel, Oracle

### EDUCATION

#### **University of British Columbia**

Sept 2022 – Present

#### **Bachelor of Computer Science**

- **Relevant Courses:** Intermediate Algorithm Design and Analysis, Basic Algorithms and Data Structures, Software Construction, Systemic Programming Design, Models of Computation, Introduction to Computer Systems, Introduction to Relational Databases
- **Hackathons:** cmd-f by nwhacks

#### **Simon Fraser University**

Sept 2015 – May 2021

#### **Bachelor of Arts - Communication Major**

### COMMUNICATIONS EXPERIENCE

#### **Communications Committee Lead**

Jan 2021 – April 2021

#### **Skoden Indigenous Film Festival**

- Oversaw the work of the committee and created new communications strategy increasing engagement across digital platforms by at least 200%
- Managed digital platforms and created digital media assets using Adobe Creative Suite

#### **Communications Intern**

Sept 2019 – Aug 2020

#### **Simon Fraser University**

- Managed social media accounts and increased engagement by at least 200% through implementing strategic audience research