

Programming Skills

- **Languages:** C/C++, Java, C#, Python, Erlang, Assembly **Other:** Git, Docker, REST-APIs, CI/CD, Agile

Work Experience

- **Microsoft** Redmond, WA
Software Engineer *Starting June 2021*
- **Microsoft** Vancouver, BC
Software Engineer Intern *May 2020 - August 2020*
 - Member of the Windows Media Apps Team, working on applications with over 1 billion users worldwide.
 - Added new functionality to the Windows Photos app, and enhanced integration with Windows file explorer.
 - Improved accessibility and usability in Microsoft Paint.
- **Target** Minneapolis, MN
Software Engineer Intern *June 2019 - August 2019*
 - Worked on the Transfer Orders Team, managing product transfers across 1800+ stores, 25 distribution centers.
 - Helped develop a next generation product transfer solution to replace ~7 legacy solutions in the supply chain.
 - Migrated 9 microservices to the Target Application Platform, to streamline the development process.
- **University of British Columbia** Vancouver, BC
Teaching Assistant *Sept 2018 - Sept 2020*
 - **CPSC 121:** Models of Computation ◦ **CPSC 213:** Computer Systems ◦ **CPSC 313:** Computer Hardware and OS ◦ **CPSC 415:** Advanced Operating Systems

Projects

- **xeros Kernel:** Developed a kernel based on the x86 architecture as part of my advanced OS class. This involved implementing a memory management system, handling process creation, management, and preemption, dealing with context switches, system calls, sending signals, inter-process communication, and writing a keyboard driver.
- **Telegram Chatbot:** Created a bot using Python and PostgreSQL, hosted with an AWS EC2 instance, that allows users to access their favorite stickers (emoji-esque images). Users can tag stickers and search for those tags in any chat to get a list of matches to choose from. Issues with lookup times prompted me to learn about probabilistic data structures, and implement a bloom filter to improve lookup speed.

Academics

- **University of British Columbia** Vancouver, BC
Bachelor of Science in Computer Science - GPA: 87.9%, US Scale: 4.1 *Sept. 2017 - May. 2021*
 - **Awards:**
 - * Outstanding International Student Award
 - * Charles and Jane Banks Scholarship
 - * Trek Excellence Scholarship
 - * Faculty of Science International Student Scholarship
 - **Coursework:**
 - * Graduate-level Operating Systems Research
 - * Software Engineering
 - * Computer Networking
 - * Distributed Systems/Parallel Computing

Activities

- **Computer Science Student Society** Vancouver, BC
 - **Vice President, Social:**
 - * Developed events throughout the year for the undergraduate student body.
 - * Facilitated organization of the end-of-year gala, an event with 160+ students in attendance.
 - * Practiced effective communication, and attended weekly meetings to improve club operations.