Alvin Cheung

Vancouver, British Columbia, Canada alvin.cheung@live.com (604) 356-3145 in/cheung-alvin/ https://alvincheung.ca/

PROJECTS

Weather App – Web based API
Udemy Node.js • May 2022 - Present

• Created a web application that accepts a location and uses a Node.js backend to call APIs and render information.
• Integrated support for an API endpoint for other developers.

Interrupt - Combat endless scrolling
BCS Hacks • March 2022 - March 2022

• Created a Chrome extension that monitors time spent on a particular website and "interrupts" user after a set time.
• Implemented timer functionality using alarms given the absence of the feature in the built in API.

GIFT - A registry for those in need
nwHacks • January 2022 - January 2022

• Collaborated in a group of four to create a static web-based CRUD application using JS.
• Created an interface for users to list their needs with descriptions and links and allowed other users to pledge donations.

Home Network and Server Development
Unix Server • April 2020 - Present

• Transformed old computer to a home, web, and game server using Docker.
• Created a remote working environment for coding projects.
• Implemented enterprise grade networking equipment and configured VLAN and bandwidth protocols.

EXPERIENCE

Bachelor of Computer Science Program Tutor
The University of British Columbia – CS Department **May 2022 – Present, Vancouver**
• Tutoring over 100 students in the BCS program.

Chemical Engineering in Training
Kemetco Research **May 2019 - July 2021, Richmond**
• Designed, built, and operated industrial pilot-plant scale metallurgical equipment for innovative processes.
• Interpreted upwards of 100 000 points of data and communicated findings for optimizations using VBA and Pandas.
• Collaborated under pressure in varying hazardous environments.

Metallurgical Technician
Barrick Gold **January 2018 - August 2018, Vancouver**
• Carried out independent research experiments on cyanide alternatives and refined inhouse protocols.
• Analyzed data and wrote technical reports to provide recommendations to research clients.
• Developed experimental methods for the analysis of glycine, triiodide, and iodine for use as greener alternatives to conventional leaching.

EDUCATION

Bachelor of Computer Science
University of British Columbia • Vancouver, BC • 2024 • 3.62

Bachelor of Applied Science in Chemical and Biological Engineering
University of British Columbia • Vancouver, BC • 2019 • 3.48

SKILLS

Languages: Java, C, C++, JS, HTML, CSS, MATLAB

Frameworks: Node.js, Docker