

## Alvin Cheung

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### 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

#### 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