



Lucy Hao

403-401-3096 | hao.lucy@gmail.com | <https://lhao03.github.io> | <https://github.com/lhao03> | <https://linkedin.com/in/lucy-hao>

EDUCATION

University of British Columbia - cGPA: 83.5%

Sep 2019 - Apr 2023

2nd Year BSc. in Computer Science and minor in Biochemistry

SKILLS

Languages

Python, Java, R, Dart, JavaScript, C++, goLang, SQL

Technologies

JUnit, Github Actions, Firebase, Flask, Git, pandas, NumPy, nltk, Docker

Development Tools

Android Studio, Visual Studio, IntelliJ, RStudio, HTML/CSS

WORK EXPERIENCE

Prevention of Organ Failure Centre of Excellence - Software Developer (NLP) Jan 2021 - Apr 2021

- Working on an NLP pipeline in Python to automate extraction of patient information from breast cancer reports in PDF format. Helping to create an application that can be used by those in the medical field and their patients to view medical data.

Faculty of Science - Undergraduate Teaching Assistant

Jan 2021 - now

- Leading 3 labs for CPSC 210 (Software Construction), which are 2 hours long each

LEADERSHIP EXPERIENCE

M2M: MS to Movement (UBC BEST) - Developer

Sep 2020 - now

- Co-leading software developer on cross-platform mobile app implemented in **Kotlin** that helps patients with multiple sclerosis experience more engaging therapy sessions. Integrated workflows in **Github Actions** for smooth continuous integration. Set up API endpoints in **Express** and **Node.js**.
- Leading students from electrical engineering, mechanical engineering, and other fields to develop a product that fulfills use cases and patient needs.

StarHacks - Outreach Director/Workshop Presenter

Sep 2020 - now

- Increased registrations from 50 to 700 (as of Jan, 13 2021), creating monthly newsletters, engaging with target audience on social media platforms such as Instagram and Twitter through infographics and Q&A. Managed Discord of 350 attendees.
- Ran Intro to Git and Github and Intro to Python workshop for over 100 attendees.

PROJECTS

Dialogue - nwHacks 2021

Jan 2021

- Dialogue is a web application that connects seniors and youth volunteers with alike interests and spoken languages, due to the pandemic severely limiting interactions.
- Lead development of backend API which was built in **Node.js** with an **Express** server connected to **MongoDB**. Implemented video calling function with **WebRTC**, **Socket.io** and **Peerjs**.
- Frontend implemented with **React Native** and custom **Figma** components. Used **Axios** to connect to API.

EcoEats - (Finalist @ cmd-f 2020)

Mar 2020

- In 24 hours as lead programmer of a group of 4, developed an **Android app** in **Java** that brings awareness to the carbon footprint of consumers' meals and advocates for carbon-friendly products.
- Uses **Google Cloud Vision** to analyze photos of food. Won **Realtor Best Search Experience / Wolfram Award**.