



Lucy Hao

haolucy.tech | l.hao@alumni.ubc.ca | 403-401-3096 | lhao03 (Lucy Hao) · GitHub | <https://linkedin.com/in/lucy-hao>

Education

University of British Columbia - *September 2019 - Jan 2024*

Bachelor of Science in Computer Science - GPA: 85.9 // CSGPA: 89.5

Coursework: CPSC 110 - Programs and Programming, CPSC 121 - Models of Computation, CPSC 210 - Software Construction, DSCI 100: Introduction to Data Science

Skills

Languages

Python, Java, R, Dart, HTML/CSS, Golang*, C++*

Technologies

MySQL, JUnit, Flutter, Firebase, Flask, Django*, MongoDB*

Development Tools

Android Studio, Visual Studio, IntelliJ, Git, Github, RStudio

Projects

Nutrin Nutrition App

<https://github.com/lhao03/Nutrin>

- Currently developing a food tracking app with **Flutter** and **Firebase**. Created user stories to meet product goals.
- Implemented **Model View Controller** design pattern to maintain state and create a search experience. Made use of FDA **REST API** to query for nutrition of foods.

EcoEats

<https://github.com/lhao03/cmdf-EcoEats>

- In 24 hours as lead programmer of group of 4, developed an **Android app** in **Java** that brings awareness to the carbon footprint of consumers' meals and advocates for more carbon friendly products. Placed in top 5 out of 62 submissions at **cmd-f 2020**. Awarded **Realtor Best Search Experience**.
- Used **Google Cloud Vision REST API** to detect the image and researched the carbon footprint of categories of foods.

Food and Fridge Tracker

<https://github.com/lhao03/CPSC-210-Project>

- Nutrition and Food Tracker in **Java** that implements **object oriented design** patterns.
- Used **GSON** to parse JSON responses from USDA Food Database **REST API** to create a search experience for users to search for foods they want to add to their tracker. Frontend built with **Java Swing**.

Recipe Nest

<https://github.com/lhao03/Recipe-Nest>

- Lead on chat bot app that finds recipes based on ingredients filters. Top 30 out of 145 submissions at **nwHacks**.
- Deployed on multiple platforms such as Slack and Messenger. Implemented backend with **Python 3.7** and **Flask**. Frontend created with **HTML5/CSS3** and **Bootstrap** framework.
- Trained **Google Cloud's DialogFlow** to intelligently pick out important inputs from the user's replies to perform a search of refined recipes.

Experience and Volunteering

Mentor - *connect-f (nwPlus)*

Remote

- Mentoring high-school aged women on different computer science career paths and creating Python notebooks to teach introductory programming.

July 2020 - current

Child Care Worker - *RCCG HOP Church*

Calgary, AB

- Managed finances for running summer programs and designed and ran numerous summer camps for 100 children at a time.

July 2018 - Sept 2018

Co-President - *SWC Cancer Society Club*

Calgary, AB

- Managed 10 students and helped create and run innovative fundraisers to engage the student community and raised over 400 dollars for Canadian Cancer Society.

Sept 2017 - June 2019