

# Lucy Hao

COMPUTER SCIENCE STUDENT AT UBC

Vancouver & Calgary

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## Skills

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**Languages** Python · Java · R · Dart · Golang

**Technologies** HTML5/CSS3 · MySQL · JUnit · PyTest · Flutter Framework

**Development tools** Android Studio · VisualStudioCode · Git · GitHub · IntelliJ

## Projects

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### Nutrin Mobile App - on hiatus

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

- In process of building mobile app with **Flutter Framework** for the front end and **Firebase** for the backend.
- App made in **Dart** in **Android Studio**. User interface prototyped with **Figma** and has user authentication. In process of creating a search experience.

### EcoEats - cmdf 2020 - Top 5

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

- Created an android app to help users make an better environmental choice when they are deciding what to eat.
- App made in **Java** in Android Studio. Used **Google Cloud Vision Search API** to reverse search with images from the user, and bring back what the image might be.
- For the future would like to create an API to retrieve results from the data base and integrate Firebase to add features such as personal tracking and meal comparison.

### Food and Fridge Tracker - CPSC 210 Final Project

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

- Nutrition and Food Tracker in **Java** that implements OOP practices and design methods.
- Use of JSON parsing and external API to create search experience for user to search for foods they want to add to their tracker.

### Recipe Nest - nwHacks 2020 - Top 30 out of 145 projects

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

- Lead on chat bot app that finds recipes based on ingredients filters.
- Won **Voiceflow's Best Voice app award** which recognizes an app with real word use case and complex architecture.
- Deployed on multiple platforms. Implemented backend with **Python 3.7** and **Flask** framework. Frontend created with **HTML5/CSS3** and **Bootstrap** framework.
- Chat Bot from **Google Cloud's Dialogflow** trained to intelligently pick out important inputs from the user's replies to perform a search of refined recipes.

### Various Python Projects

<https://github.com/lhao03/Introduction-to-Data-Science>

- Final project from The Complete Data Science Bootcamp in **Python** utilizing **Tensorflow**, **skLearn**, **pandas**, **numpy**.
- Miscellaneous exercises from Kaggle utilizing pipelines, **skLearn**.

## Education

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### University of British Columbia

Vancouver, British Columbia

BACHELOR OF SCIENCE IN COMPUTER SCIENCE - GPA: 3.70

September 2019 - 2023/2024

CSPC 110 - Programs and Programming · CSPC 121 - Models of Computation · CSPC 210 - Software

Construction · DSCI 100 - Intro to Data Science · BIO 112 - Biology of the Cell

### Online Courses

UDEMY AND COURSERA

- Web Development with Google's Go (In progress)
- The Complete Data Science Bootcamp
- Build a Data Science Web App with Streamlit and Python