Lucy Hao

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Education

University of British Columbia - *September 2019 - Jan 2024*
Bachelor of Science in Computer Science - GPA: 85.9 // CSGPA: 89.5

Skills

Languages	Python, Java, R, Dart, HTML/CSS, Golang*, C++*
Technologies	MySQL, JUnit, Flutter, Firebase, MongoDB*
Development Tools	Android Studio, Visual Studio, Intellij, Git, Github, RStudio

Projects

Nutrin Nutrition App - *https://github.com/lhao03/Nutrin*
- In the process of building a mobile app with **Flutter Framework** and **Firebase**.
- Implemented **Model View Controller** design pattern.
- Made use of FDA REST API to search for nutrition of foods.

EcoEats - *https://github.com/lhao03/cmdf-EcoEats*
- As part of a team of 4, developed an **Android app** to help users make a better environmental choice when they are deciding what to eat in 24 hours.
- Placed in top 5 out of 62 submissions at **cmd-f 2020**.
- Lead programmer using **Java** to send images of food to Google Cloud Vision API to analyse the image.

Food and Fridge Tracker - *https://github.com/lhao03/CPSC-210-Project*
- Nutrition and Food Tracker in **Java** that implements **object oriented design** patterns.
- Use of **JSON parsing** and USDA Food Database **REST API** to create a search experience for users to search for foods they want to add to their tracker.

Recipe Nest - *https://github.com/lhao03/Recipe-Nest*
- Lead on chat bot app that finds recipes based on ingredients filters.
- Deployed on multiple platforms. Implemented backend with Python 3.7 and Flask. Frontend created with HTML5/CSS3 and Bootstrap framework.
- Used Google Cloud's DialogFlow trained 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
July 2020 - current
- Mentoring high school girls about the different career paths in computer science, university life.
- Teaching girls how to program in python and creating workshops.

Child Care Worker - *RCCG HOP Church*
Calgary, AB
July 2018 - Sept 2018
- Managed finances for running summer programs and designed and ran numerous summer camps for 100 children at a time.

Co-President - SWC Cancer Society Club
Calgary, AB
Sept 2017 - June 2019
- Managed 10 students and helped create and run innovative fundraisers to engage the student community and raised over 400 dollars for Canadian Cancer Society.