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
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 - (Top 5 out of 62 @ cmd-f)   *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. Awarded **Realtor Best Search Experience** and **Wolfram Award**.
- Used **Google Cloud Vision REST API** to detect the image and retrieved the carbon footprint of the food.

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 - (Top 30 out of 145 @ nwHacks)   *https://github.com/lhao03/Recipe-Nest*
- Lead on chat bot app that finds recipes based on diet and ingredients. 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*
                                                                      July 2020 - current
- Mentoring high-school aged women on different computer science career paths and creating Python notebooks to teach introductory programming.

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, raising over 400 dollars for the Canadian Cancer Society.