

# William Song

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## EDUCATION

### University of British Columbia

First-year student

SEPT 2023 – MAY 2027

## SKILLS

Languages: Python, Java, JavaScript/TypeScript, SQL, PHP, Racket

Technologies: ReactJS, Angular, NodeJS, ExpressJS, PostgreSQL, Git, PyTorch, Flask, Docker, WordPress

## EXPERIENCE

### National Academy of Sciences Canada

Full-Stack Web Development

JUNE 2023 – AUG 2023

Created a full-stack website for a non-profit using WordPress. The website queries a MySQL and PHP backend for news, events, and publication content to be displayed. Other functionalities include WordPress administration, and GUI database management.

### Falcon Technologies

Intern Software Developer

NOV 2022 – DEC 2022

Worked to curate a database of Canadian province and American state issued Real-Estate/Broker licenses. Used Python extensively for Webscraping and data parsing. Licensees were stored in a Dockerized PostgreSQL database for fast validation of an Agent's license.

### Delta Controls

Intern Software Developer

APR 2022 – JUNE 2022

Designed and built an ATS (Applicant Tracking System). A full stack web app involving a client-side UI made with ReactJS connected to a backend written with ExpressJS and deploys a PostgreSQL database to support account creation and management.

## PROJECTS

### CNN Meal Classification

<https://github.com/pojj/Food-CNN/>

DEC 2023 – JAN 2024

I utilized PyTorch and the Food-101 dataset to transfer train a neural network to classify images of common dishes. I then deployed the model with a Flask API, to be called by a simple frontend that finds the nutritional information from an image of food.

### Wordle Variant

<https://github.com/pojj/wordle-variant/>

MAY 2022 – JUNE 2022

My fun spin-off on the popular game Wordle made using ReactJS that handles Drag and Drop with external libraries.