

OWEN WANG

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EDUCATION

Carleton University

Bachelor of Computer Science Honours (Co-op)

Ottawa, ON

Expected May 2028

- **Stream:** Software Engineering
- **CGPA:** 12.0/12.0

SKILLS

Languages: Python, Java, JavaScript, HTML, CSS, Sass, SQL

Libraries and Frameworks: Django, Bootstrap

Development Tools: Unix, PostgreSQL, SQLite, Homebrew, pip, Git

PROJECTS

Brook | Python, Django, JavaScript, HTML, Sass, CSS, Bootstrap, PostgreSQL, YouTube Data API, Spotify Web API

- Developed a **full-stack web app** allowing YouTube and Spotify track and playlist downloads
- Designed a Django-based backend system implementing a **relational database** with PostgreSQL to manage user accounts, playlists, and tracks, establishing one-to-one and one-to-many relationships between models
- Accessed YouTube and Spotify **API's** to obtain track and playlist information

JBKR Mobile | Java, Lanterna, YahooFinance API

- Developed a Java TUI **desktop application** that simulates a stock trading application, allowing users to create and manage stock profiles with access to real-time data from the NYSE and NASDAQ
- Guided and mentored a **team of 3**, facilitating individual role assignments and enhanced team communication throughout the course of the project
- Obtained real-time stock market data by employing the use of **YahooFinance API**

The Wildfire Network | Python, Django, HTML, Sass, CSS, Bootstrap, WeatherAPI

- Developed a **full-stack web app** providing latest news and data on Canadian wildfires with a custom made wildfire prediction algorithm during Ignition Hacks 2023
- Led a **team of 3** throughout the event, designating individual roles while ensuring project coordination and effective communication amongst the team
- Implemented a wildfire prediction algorithm to measure risk of wildfire in a given area using **WeatherAPI**

LEADERSHIP

CU Esports Officer

Carleton University

Sept 2023 – Present

Ottawa, ON

- Fostered a vibrant community of **3200+ members** by organizing weekly online events at Carleton University, providing a platform for students to engage in competitive and social experiences
- Worked closely with admins and coworkers to ensure the success of events

Coding Club Homework Assistant

A.Y. Jackson S.S.

Sept 2022 – June 2023

Toronto, ON

- Guided a club of **300+ students** through identifying and **debugging** coding errors while conducting **code reviews**
- Contributed to increased club participation by fostering a welcoming learning environment, leading to our club being the school's largest by population

Math and Coding Tutor

Youth Dream Canada

Nov 2021 – Aug 2022

Toronto, ON

- Mentored **4 grade 1-9 students** in one-on-one lessons through bi-weekly lectures and assignments
- Encouraged open conversation and active participation to promote a deeper understanding of lesson topics
- Tailored lesson plans to fit the needs of individual students