

Flavia Y. Ouyang

445 Viger Street
Montreal, QC H2Z 2B8
Cell: (514) 570-1285

Github: github.com/flaviaouyang
LinkedIn: [linkedin.com/in/flavia-ouyang](https://www.linkedin.com/in/flavia-ouyang)
Email: flavia.ouyang@mail.mcgill.ca

EDUCATION

McGill University, Montreal, QC
Bachelor of Science, Computer Science

June 2022

Moscrop Secondary School, Burnaby, BC
Valedictorian, President of Moscrop Model United Nations Club

June 2018

EXPERIENCES & PROJECTS

McGill TA Management System

React, Node.js, Express.js, PostgreSQL, Supabase, Figma

UI/UX Designer, Front-end Developer

- Worked in a team of 3 to create a responsive full-stack management system for McGill students and staffs
- Responsible for UI/UX design and front-end implementation
- Developed login/registration page, dashboard, rating TA feature and system operations feature
- Adapted the implementation for responsive design

Quebec Sage-Femme Database System

IBM-DB2, Java, JDBC, Docker

A database system that connects midwives with expecting parents

- Database Design: Created Entity Relationship Model and Relational Model
- Implemented the database using IBM-DB2 and injected arbitrary data for testing
- Performed a number of advanced queries to ensure that designed database is ready for real-world application
- Developed a commandline interface using Java and DB2 through JDBC

Multiplayer Board Game: Elfenroads

React, Phaser, Apollo GraphQL, Figma

Worked in a team of 7 to create a full stack interactive browser game

- Designed the UI of finishing phase using Figma
- Created a number of documentation to conceptualize the design of the software: Use Case Model, Concept Model, Environment Model, Operation Model and Protocol Model
- Developed the functionality of player's travel cards

CLI Wordle Clone

Python

Passion project: a puzzle word game that can be played in the terminal

- Written in pure Python
- Used libraries including colorama, rich, and english_words

LEADERSHIP EXPERIENCE & COMMUNITY SERVICE

Tutor

August 2021- Now

McGill CS Undergraduate Society Help Desk

- Helped students with questions related to object-oriented programming practices, design patterns, data structures and algorithms, and web development

VP Marketing

May 2019 - January 2022

Trek for teens Montreal

- Organized and promoted more than 10 fundraising events
- Raised over \$10,000 in events revenue
- Directed and guided the development of marketing automation targeting strategies

SPECIALIZED SKILLS

Programming Languages: Java, Python, JavaScript, HTML & CSS, PHP, SQL, C, C++, Bash

Technology and Tools: React, Flask, Git & GitHub, Node.js, Express.js, Django, Bootstrap, Figma, Adobe XD, Docker, IntelliJ, PHPStorm, Visual Studio Code, JUnit, Unix, Tailwind, PostgreSQL, IBM-DB2

Industry Knowledge: Agile Development, Waterfall Model, Object-oriented Programming, Version Control