

# Flavia Y. Ouyang

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

Github: [github.com/flaviaouyang](https://github.com/flaviaouyang)  
Portfolio: <https://www.flaviaouyang.com/>  
Email: [flavia.ouyang@mail.mcgill.ca](mailto: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

## EXPERIENCE

**Co-Founder, Web Developer**

October 2020 - January 2022

*Weltschmerz Design Studio*

- **Tech Stack:** React, Node.js, Express.js, Mongo DB, Figma, Adobe XD
- Co-founded an e-commerce design studio that focused on promoting independent artists and designers
- Responsible for market research, website design, and web development
- Developed landing page, product pages, payment page, and more
- Enhanced SEO capabilities of website and tested website functionalities & performance

## PROJECT

**McGill School of Computer Science TA Management System**

React, Node.js, Express.js, PostgreSQL

*UI/UX Designer, Front-end Developer*

- Worked in a team of 3 to create a responsive full-stack management system for McGill students and staff
- 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 several advanced queries to ensure that the designed database is ready for real-world application
- Developed a command-line 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 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

## LEADERSHIP & COMMUNITY SERVICE

**Tutor**

McGill CS Undergraduate Society Help Desk

- Guided students with coursework in design patterns, data structures & algorithms, web development, and more

**Mentor**

Youth Outreach Program

- Paid 4-hour-long visits to local youth correctional facilities weekly for 4 years
- Developed positive relationships with at-risk youth while helping them with soft literacy skills such as creativity, communication, and self-expression

## 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, JUnit, Unix, Tailwind, PostgreSQL, IBM-DB2, Bootstrap, Figma, Adobe XD, Docker, IntelliJ, PHPStorm, Visual Studio Code

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