Oscar Chen

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Technical Skills

Programming languages: Python, Java, C#, C, C++, SQL, Dart, OCaml, Bash, HTML, CSS, PHP, MATLAB, Assembly, JavaScript, JSON

Frameworks: React, Node.js, Express.js, Flutter, Tailwind CSS, Bootstrap, Unity, WordPress, XAMMP

Development tools: MongoDB, Docker, AWS Lightsail, DB2, Canva, Figma, Git, GitHub

Unit Testing: JUnit, pytest

Personal website: https://oscar707.github.io/

Work Experience

Front-end Dev Intern — Summer 2024
Hotel Spa Excelsior — Sainte-Adèle, QC

- Improved website readability and reorganized content on a WordPress website
- Restructured content paragraphs to strategically incorporate target keyphrases, improving on-page SEO metrics

Education

McGill University — Canada
Bachelor of Science in Computer Science — Sep 2021 - May 2025

Projects

AutoLock — Winter 2025

- Developed an automated Python application using PyAutoGUI for image recognition and Tkinter for the UI
- Streamlined gameplay by automating queue acceptance, allowing players to step away during matchmaking
- Released app on GitHub and Youtube with documentation and installation instructions

McGill Booking — Fall 2024

- Developed a booking website for McGill professors to create appointments and students to book meetings
- Used a **React**, **XAMPP**, and **MySQL** stack, hosted using **AWS Lightsail**

Politician Media Representation — Fall 2024

- Analyzed coverage patterns and media bias trends of the politician Trump across North American news outlets
- Leveraged Python data science ecosystem (**Pandas**, **NumPy**) for robust statistical analysis of media sentiment
- Created interactive visualizations using **Bokeh**, **Matplotlib**, and **Seaborn** to identify and present media bias patterns

Study Group App — Winter 2024

- Developed a **Flutter**-based mobile application for users to create and join group study sessions using a map
- Learned data synchronization and user authentication through Firebase, with Google Maps API for location services

Leadership Experience

Vice-President of Volunteer Youth Group   2017 - Present
Fo Guang Shan Montreal Buddhist Temple   Montréal, QC

    - Elected to leadership position in 2021, overseeing 15+ student volunteers

Languages

English, French (Native proficiency in both)
Chinese (Native proficiency in Mandarin, Cantonese, and Teochew)
Korean, Spanish (Conversational)