Patrick Yeh

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Technical Skills

Languages: Python, JavaScript, SQL, HTML5, CSS, Java, MATLAB
Developer Tools: Git, Postman
Libraries/Frameworks: React.js, Express.js, Node.js, PostgreSQL, Docker, jQuery, Bootstrap, Flask

Projects

MacCourseRatings | *Website* | *Source Code*   *React.js* | *Express.js* | *Node.js* | *PostgreSQL* | *Python*

- Developed a full-stack **CRUD** application using a **React.js** front-end, an **Express.js** back-end, and a **PostgreSQL** database, to allow **100+** unique users to rate McMaster courses of their choice
- Data scrapped and manipulated **3000+** course entries using **Python** and **Pandas** to create a **RESTful API** through a **Express.js** application
- Implemented login functionalities with **JWT Tokens** and **encryption** to securely store user information on a **PostgreSQL** database

Billboard Spotify Playlist | *Source Code*   *Python* | *BeautifulSoup4* | *SpotifyAPI*

- Designed a data scrapping program to create a Spotify playlist with the Billboard Hot 100 for any given week

CookieClickerBot | *Source Code*   *Python* | *Selenium*

- Created an automated "Cookie Clicker" game bot that rapidly clicks, automatically purchases upgrades, and optimizes resources to achieve high scores

Work Experience

Uptown Eye Specialists   October 2020 – August 2023
Health Center Maintenance   *Toronto, ON*

- Performed daily cleaning tasks and managed inventory of supplies
- Responded promptly to cleaning requests, ensuring completion within specified timeframes
- Communicated effectively with the maintenance team for building repairs and maintenance

Sir John A Macdonald Collegiate Institute   September 2022 – June 2023
Math Tutor   *Toronto, ON*

- Provided one-on-one tutoring sessions for junior highschool students
- Demonstrated leadership by providing guidance with math homework and assignments
- Organized tutoring sessions by creating notes, videos, and practice questions tailored to the tutee's needs

Festival Foods 2022 CNE   August 2022 – September 2022
Food Handler & Cashier   *Toronto, ON*

- Operated a busy corn dog stand, prioritizing customer satisfaction, managed transactions, and maintained strict food safety and hygiene standards
- Managed inventory, ensuring stock replenishment and accurate records
- Improved customer satisfaction by assisting with orders and addressing questions promptly

Education

McMaster University   Expected April 2027
Bachelor of Software Engineering (GPA: 4.0 / 4.0)   *Hamilton, ON*

- **Relevant Coursework:** Object-Oriented Programming, Data Structures and Algorithms, Computer Architecture

Sir John A Macdonald Collegiate Institute   September 2019 – June 2023
High School Diploma (GPA: 4.0 / 4.0)   *Toronto, ON*

- **Awards:** Grade 12 Chemistry award, Grade 12 Calculus award, Recipient of the Medallion award from Grade 9 - 12