

Patrick Yeh

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Technical Skills

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

Frameworks: React.js, Express.js, Node.js, jQuery, Bootstrap, Flask

Technologies: AutoDesk Inventor, Git, PostgreSQL, Postman, VSCode, Eclipse, Jupyter

Certificates: Udemy - The Complete 2024 Web Development Bootcamp

Projects

MacCourseRatings

- Developed a full-stack **CRUD** application using a **React.js** front-end, an **Express.js** back-end, and a **PostgreSQL** database, to allow users to rate McMaster courses of their choice.
- Web-scraped **3000+** course entries using **Python** to create a **RESTful API** with **Express.js**.
- Implemented login functionalities with **encryption** to securely store user information on a **PostgreSQL** database.
- Technologies used: *React.js, Express.js, Node.js, PostgreSQL, Python*

Billboard Web Scraper

- Designed a web-scraping program to gather and create a Spotify playlist with the Billboard Hot 100 for any given week.
- Languages & Libraries: *Python, BeautifulSoup4, SpotifyAPI*

Cookie Clicker Bot

- Created an automated "Cookie Clicker" game bot that rapidly clicks, automatically purchases upgrades, and optimizes resources to achieve high scores.
- Languages & Libraries: *Python, Selenium*

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:** Linear Algebra, Integrated Design Projects in Engineering

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