

EDUCATION

Bachelor of Engineering, McMaster University

(Expected) 2022-2026

Relevant Courses:

- Integrated Cornerstone Design Projects in Engineering [Engineer 1P13 A/B]
- Artificial Intelligence - Innovate Technologies [Innovate 1Z03]

SKILLS

Programming Languages	Python, Java, C, C++, HTML5, CSS, Javascript, Assembly, and LaTeX
Frameworks / Libraries	React js, Curses, Pygame, TKinter, Sklearn, BS4, asyncio, aiohttp, WebRTC, MySQL
Hardware	Arduino and 3D Printing
Developer Tools	Github, Visual Studio, Visual Studio Code, Firebase, Figma, Photoshop, and Adobe Premiere Pro

TECHNICAL EXPERIENCE

Project Lead / Personal Portfolio

09/2020 — Present

Web Development

Personal Project

- Developed a portfolio website Built a personal portfolio website using React.js and implemented Sanity, a headless content management system (CMS), to manage and display dynamic content on the website.
- Utilized higher order components (HOCs) to reuse code and create a more modular and maintainable codebase.
- Designed and developed responsive layouts for the website, ensuring that it was accessible and user-friendly across multiple devices and screen sizes.

Project Lead / Manga-Update-Checker

11/2022 — 12/2022

Python Development

Personal Project

- Developed a manga update checking script that texts users whenever there is an update available, using Beautiful Soup for web scraping and the Twilio API for SMS communication.
- Stored and managed user data, including preferred manga titles, using Firebase
- Implemented aiohttp to optimize requests and improve overall workflow efficiency, resulting in a 100% speed increase.

Project Lead / Ecoholics

07/23/2021 — 07/25/2021

Explore Hacks 2021: Grand Winner

Hackathon Project

- Developed an end-to-end sustainable living app, Ecoholics, using HTML, CSS, JavaScript, and Bootstrap, reducing development time by 25%.
- Utilized hashing techniques and Firebase to streamline the user login and register process, improving user authentication and security.
- Implemented a rewards system to incentivize users to recycle, resulting in a potential increase in recycling at various eco-zones owned by the company.
- Optimized the user interface for improved UX, resulting in a possible 30% increase in user engagement.
- Developed a points system to allow users to redeem points for rewards, resulting in a possible 20% increase in user loyalty.

Lead Programmer / Neighbour Network

06/11/2021 — 06/12/2021

Banana Hacks 2021: First Place Winners

Hackathon Project

- Developed a video chatting app allowing users to connect with people in their local community to boost human interactions during COVID 19.
- Developed the video chatting app to work with different browsers and devices with no performance issues and implemented a responsive design to ensure a consistent user experience using HTML, CSS, JavaScript, and WebRTC.
- Implemented Firebase for database, authentication storage to streamline the login/register process and hashing techniques for secure data transfer.

WORK EXPERIENCE

Brand Ambassador / Domino's

05/2021 — 06/2021

Staff Advisor Contact - Available on request

Work Experience

- Represented the brand at events and other marketing initiatives and provided customer service.
- Assisted in content creation and provided feedback and insight on new products.

Library Assistant / Toronto Public Library

09/2018 — 09/2020

Staff Advisor Contact - Available on request

Volunteer Experience

- Expanded support for routine tasks and special library projects.
- Enhanced the level and quality of customer services.