


# MICHELLE YU

SOFTWARE DEVELOPER

michelleyu230@gmail.com 

647-862-2290 

linkedin.com/in/myu230 

github.com/myu230 

myu230.github.io 

## TECHNICAL EXPERIENCE

### Web Developer

IEEE, Seneca

Oct 2019 - Apr 2021

- Designed website for IEEE - Seneca using WordPress to display events and upcoming activities to over 500 students.
- Implemented Live Calendar and Workshop page to help improve membership activity and IEEE visibility.
- Coordinated with a team of 3 developers to create responsive UI designs, event registration pages, and schedule periodic updates to IEEE website.

### C# Instructor

Real Programming 4 Kids

May 2019 - Aug 2021

- Led 5 courses teaching programming fundamentals and mathematics by creating video games using Visual Basic and C#.
- Expanded scope of coursework to include custom designs and game features for each student, encouraging participation and increasing student retention rates by 20%.
- Conducted trial classes for children interested in programming and game creation, explaining object-oriented programming concepts in a clear manner, achieving a 100% sign up rate.

## PROJECTS

### Tutor Scheduling Application

C#, Microsoft SQL

- Created windows application using MVC design patterns for tutors to manage their student bookings and view their teaching schedule.
- Designed relational database schema for Microsoft SQL Server to allow for easy retrieval of student and appointment information.
- Implemented functions to search and retrieve available appointment times from SQL database by date.

### Reading List

JavaScript, HTML, CSS, JSON

- Web application for users to keep track of books they have read with information about each book and the users' ratings.
- Added form validation with customized error messages using JavaScript to prevent empty or invalid submissions.
- Persisted local data storage in JSON.

### RFID Access System

C++, Arduino

- Implemented Authentication Module used to remotely verify a physical users access level and display the information on an LCD to the end user.
- Led a group of 3 students through a 4-month long project using a Kanban board to drive key objectives and remove blockers.

## SKILLS

**Languages:** C++, C#, SQL, JavaScript, Python, MATLAB

**Technologies:** Git, React.js, HTML, CSS, Node.js, SQL Server, .NET

## OTHER EXPERIENCE

### Optometric Assistant

Varley Optometry Aug 2021 - Present

- Trained new employees on product management, patient electronic health record system, and other general administrative duties.

### Product Manager

Freelancer

Feb 2020 - Jun 2021

- Launched 3 new products in a year, achieving over 500 sales and 33% revenue gain.
- Developed budgets and negotiated pricing and services with manufacturers, reducing production costs by 15%.

### Pharmacy Assistant

Finch Midland

May 2017 - May 2019

Pharmacy

- Created reference system for product information (UPC, supplier, retail cost) to reduce ordering and stocking time by 10%.
- Managed pharmacy inventory by monitoring stock and placing daily orders based on established needs, verifying deliveries to orders.

## EDUCATION

### Seneca College

Jun 2021

Electronics Engineering Technician

- 4.0/4.0 Cumulative GPA
- President's Honour List (May 2018 - May 2020)

### University of Waterloo

Dec 2017

BASc, Honours Science, Minor in Chemistry, Minor in Economics