MICHELLE YU

SOFTWARE DEVELOPER

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TECHNICAL EXPERIENCE

Web Developer

IEEE, Seneca   Oct 2019 - Apr 2021

- Developed the IEEE webpage for Seneca using WordPress to display and schedule upcoming activities to over 500 students.
- Implemented a Live Calendar and a Workshop page to help improve membership activity and IEEE visibility.
- Managed four other developers using an Agile Methodology to improve project velocity by 30%.

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 a desktop application for tutors to view and update their current teaching schedule, manage student information, and find available times for new students using a calendar view.
- Designed relational database schema for Microsoft SQL Server to allow for easy retrieval of student and appointment information.

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.
- Persisted local data storage in JSON.

Student Profile Management Application

C#, Microsoft SQL

- Designed a desktop application for teachers to manage student records and generate grade reports by student or class.

RFID Access System

C++, Arduino

- Implemented an 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 a 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,