Michelle Yu

SOFTWARE DEVELOPER

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RELEVANT EXPERIENCE

Web Developer   Oct 2019 – Apr 2021
Institute of Electrical and Electronics Engineers (IEEE) - Seneca

- 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   May 2019 – Aug 2019
Real Programming 4 Kids

- 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.

Pharmacy Assistant   May 2017 – May 2019
Finch Midland Pharmacy

- Created reference system for product information (UPC, supplier, retail cost) to reduce ordering and stocking times by 10%.
- Managed pharmacy inventory by monitoring stock and placing daily orders based on established needs and special circumstances, verifying deliveries to orders.
- Maintained physical and electronic filing system by scanning and updating 200+ patient prescriptions, documents, and dispensing records daily.

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, and email and phone verification in student registration form.

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 and persisted local data storage in JSON.
- Added form validation with custom error messages using JavaScript to prevent empty or invalid submissions.

RFID Access System (C++, Arduino)

- Implemented an authentication module used to remotely verify a physical user's access level and display the information with 100ms on an LCD to the end user.

TECHNICAL SKILLS

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

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

Tools: Visual Studio, Visual Studio Code, .NET, Eclipse, Unity, VMWare, VirtualBox, Oracle SQL, Microsoft SQL

EDUCATION

Electronics Engineering Technician, Diploma
Seneca College
Graduated May 2021

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

Honours Science, Minor in Chemistry, Minor in Economics, Bachelor of Science
University of Waterloo
Graduated Jun 2017

OTHER EXPERIENCE

Optometric Assistant | Varley Optometry
Aug 2021 – Present

- Trained new employees on product management, EHR system, and other general administrative duties

Product Manager | Meikyu
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%.