Michelle Yu

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TECHNICAL SKILLS

Languages: C, C++, C#, SQL, JavaScript, Visual Basic, Python, MATLAB
Development Tools: Eclipse, Visual Studio, GIT, .NET, Unity
Environmental Tools: Virtual Box, VMWare, VirtualBox, Oracle SQL, Microsoft SQL

RELEVANT EXPERIENCE

Web Developer   Oct 2019 – Apr 2020
Institute of Electrical and Electronics Engineers (IEEE) - Seneca   Toronto, ON
- Created event calendar and workshop scheduling using WordPress to display upcoming activities and performed user testing and troubleshooting prior to live deployment.
- Coordinated with executive team on Scrum Ceremonies including Sprint Planning, Stand-ups, Sprint Demos, and Release Planning.

Programming Instructor   May 2019 – Aug 2019
Real Programming 4 Kids   Toronto, ON
- Taught students programming fundamentals and mathematics by creating video games using Visual Basic and C#.
- Conducted trial classes for children interested in programming and game creation, achieving a 100% sign up rate.
- Communicated abstract concepts in a clear manner to students between 7 – 15 years of age.

Pharmacy Assistant   May 2017 – May 2019
Finch Midland Pharmacy   Toronto, ON
- Created a reference system for product information (UPC, supplier, retail cost) to reduce ordering and stocking time.
- Scanned documents into computer software system (Kroll) and maintain large filing system of dispensing records, prescriptions, and other required documentation.
- Provided support to clients by phone and in person, collaborating with team members to prioritize urgent requests and maximize efficiency.

PROJECTS

RFID Access System (C++, Arduino Microcontroller)
- Led a group of 3 students through a 4-month long project to develop a security system with various levels of access control utilizing RFID technology.
- Utilised a Gantt chart to gauge progress, track milestones and identify possible bottlenecks that would delay project progress and develop intervention strategies to focus on critical areas.
- Wrote program with an Arduino board to receive and analyze input from RFID reader to determine access levels and provide outputs to servomotor and LCD displays.

Student Profile Management Application (C#, Microsoft SQL)
- Designed full stack Windows application to organize and display student records.
- Developed program for Microsoft SQL database manipulation of student records with functions to search, add, and remove student information as well as calculating grade averages by student or class.
- Improved program by preventing users from submitting invalid student or grade information.

EDUCATION

Electronics Engineering Technician, Diploma   Graduated May 2020
Seneca College
- 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   Graduated Jun 2017
University of Waterloo