William Siong Sin

Computer Science – Software Engineering
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SKILLS & CERTIFICATIONS

- Strong analytical, problem solving, and critical thinking skills gained from previous experiences
- Outstanding time management, organizational skills and strong attention to details
- Bilingual (English & French)
- Professional experience in Java, JavaScript, C, SQL, Python, CodeceptJS, Selenium, Playwright, Assembly language (68k), HTML, CSS, Microsoft Excel
- Object Oriented Programming
- Well-built sense of leadership and teamwork
- Standard First Aid and CPR-C certified

PROJECTS

- **Transforming shapes through matrix multiplication**   September 2021
    - Carried out weekly in-person meetings with other teams to discuss issues and progress
    - Communicated with other teams to make sure the project remains consistent using the same global variables and function headers
    - Merged the output of previous teams and used it as input parameters for the team's functions

- **Covid-19 Data Analytics and Visualization**   March 2021
    - Gathered Covid-19 data sets to create data visualization using python and repl.it
    - Used Trello to make a scrum backlog
    - Collaborative efforts to test, debug and demonstrate program

- **LDR-sensor blinds**   April 2019
    - Created automated blinds that close/open depending on light intensity
    - Developed C program that control Arduino microprocessor that sends signal to blinds
    - Organized meetings to follow up with prototyping, testing and development

EXPERIENCE

Intellijoint Surgical Inc.
- **Software Test Specialist**   May 2023 – September 2023
    - Developing and maintaining automated test cases, scripts and test scenarios for functional, regression and performance testing using CodeceptJS and Playwright
    - Contributing to multiple phases of the product development process with an emphasis on software testing
    - Participating in risk management, bug triage, backlog refinement and sprint planning processes to ensure features and defects are effectively tested

Sonova Canada Inc.
- **Software QA Analyst**   September 2022 – December 2022
    - Executed and maintained manual test scripts for different applications
    - Performed manual regression testing
    - Played an active role in the agile development team and improve the quality of life for clients who depend on our products

Purolator Inc.
- **QA Developer**   May 2022 – September 2022
    - Performed automated testing using Selenium and Python to simplify operations
    - Built a pipeline for continuous testing as part of CI/CD process
    - Ensured that testing is thoroughly and accurately documented
    - Active involvement in resolving the issues encountered in all environments, including development

United Commercial Services Ltd.
- **Operational Administrator**   September 2019 – January 2020
    - Ensured that filing was done in an orderly and timely manner
    - Responsible to enter day-to-day operational data on a tailored accounting program
    - Recorded the financial compensation of employees
    - Efficiently organized the operational data of daily activities of the business

EDUCATION

University of Guelph, ON   September 2020 – Present
- Bachelor of Computing, Honours, Software Engineering (Co-op)
- Relevant Courses: Software Design, Data structures, Object Oriented Programming, Machine Learning, Web Design and Development, Discrete Structures in Computing and Calculus

Mahatma Gandhi Institute, Mauritius   January 2012 – December 2019
- GCE Advanced level (A Levels)
- GCE Ordinary level (O Levels)

ACHIEVEMENTS AND AWARDS

- International Entrance Scholarship, University of Guelph   May 2020
- Nominated as Student Council Secretary at Mahatma Gandhi Institute   January 2019
- Selected to participate in National Model United Nations (MUN)   June 2018
- Nominated as Student Council member at Mahatma Gandhi Institute   January 2018
- Nominated as Prefect body member at Mahatma Gandhi Institute   January 2017
- Certificate with high-distinction at Alliance Française   October 2016

EXTRACURRICULAR ACTIVITIES

- Organized sensitization campaign to raise awareness about recyclable wastes
- Promoted environmentally friendly practices as part of club initiative in high school
- Member of La 27eme Scout Troop
- Took part in a Science Quest competition at National level