Saleen Shahriar

Computer Engineering student @ uWaterloo

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Skills and Qualifications

- **Programming:** OOP, Java, C++, JavaScript/TypeScript, Node.js, AngularJS, VBA, Python, SQL, MongoDB, HTML/CSS
- **Tools:** Eclipse, VS Code, Git, SVN, Cordova, Jira, Bitbucket, AutoCAD & Inventor, Tableau, MPLAB, Quartus, Photoshop
- **Hardware:** Breadboard/circuit design, PICBASIC, VHDL, Computer Building/Repair
- **Soft Skills:** Problem Solving, Time Management, Efficiency, Quick Learner, Self-Motivated, Teamwork

Experience

Software Developer | Ricoh Canada | Kitchener, ON   **May 2021 – Aug 2021**

- Individually created a patented application using Java, SNMP, and an API to Ricoh's existing device management platform that scans and updates the user's provided network switches to locate the user's devices to their account
- Worked directly with superiors to plan the development of the application
- Documented the specifications, limitations, and the instructions to the use of the program
- Communicated with QA, ensuring the development of effective test cases and ensuring proper testing

Junior Software Engineer | Grapevine6 (now Seismic LiveSocial) | Toronto, ON   **Sept 2020 – Dec 2020**

- Worked with a tight-knit team of developers in a fast-paced startup environment utilising an Agile workflow
- Used a variety of technologies to develop time-sensitive client-requested features (TypeScript, Angular, React, Express)
- Ensured most efficient possible design solutions by communicating with various teams (Product, QA)
- Demonstrating deep development understanding by finding and fixing root-cause of bugs
- Experimented with the use of BlackBerry Dynamics and Cordova to build password-secured mobile applications for corporate clients
- Gained experience in automated testing by writing Selenium tests

Data Analyst | IESO (Independent Electricity System Operator) | Mississauga, ON   **Jan 2020 – Apr 2020**

- Developed tools to automate routine tasks using VBA
- Produced queries and analysed data using SQL and Tableau
- Analysed and tracked compliance events in Ontario's power system through Control Room log reports
- Aided team in preparing reports and presentations regarding Ontario's power system and the energy market
- Demonstrated swift learning skills by promptly learning to use VBA, SQL, and Tableau

Projects

Graphical Mark Output   **Nov 2018 - Jan 2019**

- Created software tool for class management at school using Java Swing to help visualise data and display mark distributions among students

Guess Who   **April 2018 – May 2018**

- Designed and implemented a digital edition of the classic board game Guess Who in Java

Activities

FIRST Robotics Competition   **Sept 2015 - June 2018**

- Programmed robot's drivetrain control system in Java with a partner
- Manufactured and machined complex parts using lathes, bandsaws, mills, router tables, CNC
- Used Autodesk Inventor and AutoCAD to design mechanical systems

Computer Science Club   **Jan 2019 - May 2019**

- Competed in ECOO Programming Contest and CCC using Java

Education

Candidate for BASc, Computer Engineering   **Sept 2019 - Present**

University of Waterloo | Waterloo, ON

- Candidate for President's Scholarship
- Ranked within 1st quartile of students in program by academic performance

Relevant Courses

- ECE 222 - Digital Computers
- ECE 250 - Data Structures and Algorithms
- ECE 240 - Electronic Circuits
- ECE 207 - Signals and Systems
- ECE 224 - Embedded Microprocessor Systems
- ECE 252 - Systems Program & Concurrency