Clayton Sockabasin

Candidate for B.A.Sc. in Computer Engineering
(University of Waterloo, Graduating 2022)
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CORE COMPETENCIES

Software:

- C# / .NET development
- C++
- WPF/XAML UI Development
- Java
- SQL

Tools:

- Git
- Linux
- Visual Studio
- Altera Quartus Prime/VHDL
- OOP

WORKING EXPERIENCE

Software Developer, Ottawa, Ontario — Sep – Dec 2018

University of Ottawa

- Fully developed an application (UI using **WPF/XAML,** back-end using **C#/.NET**) to control multiple types of both rotating valves and chemical pumps
- Made a script for an auto-sampling preparation robot that obtained concentrated samples to be diluted and injected to an HPLC system for analysis
- Worked with an interdisciplinary team of developers, chemical engineers, and analytical/pure chemists

Software Developer, Toronto, Ontario — Jan – Apr 2018

Bank of Montreal

- Designed and implementing over 200 unit test cases in **C#** on **Visual Studio** for a backend program that calculated risk variables pertaining to capital markets
- Developed an ad-hoc script that parsed through **SQL** log files to export requests of over a set amount to an Excel spreadsheet for analyzing and determining deficiencies in the system.
- Self-taught capital market practices and gained knowledge by attending weekly Agile Scrum meetings

SIDE PROJECTS

Fuel Cell Boat Competition, Waterloo, Ontario — May – Jul 2017

University of Waterloo

- Designed and constructed a hydrogen fuel cell-powered boat
- Researched fuel cells and implemented what was found to configure the motor-cell circuit
- Responsible for taking measurements of rate of fuel usage and calculations pertaining to the chemistry of the fuel cell

Robotics Team Member, Perth-Andover, New Brunswick — May – Jun 2016

Southern Victoria High School

- Assembled two robots that were capable of straight-line movement forwards and backwards
- Took on a leadership role in the electrical team for **soldering** and wiring within the team robot
- Managed and scheduled team projects to ensure that project deliverables were completed on time to complete the robot design.