
University of Western Ontario | B.E.Sc. - Software Engineering | Year 1

PERSONAL SKILLS

Collaboration: I show my eagerness to work as a part of a team with my involvement in school projects and in my role as a scout leader; I ensure to contribute, listen to others and ask questions to clarify especially pertinent subjects to maximize productivity

Critical Thinking: I display a strong use of creativity, careful planning and adaptability in order to evaluate complex problems and to further learn from them

Professionalism: I have shown that I am able to go above and beyond to represent a company in a well-rounded manner which I have shown through my contributions to *LifeTime Athletic* and *The Polish Scouting Association in Canada*

KEY ENGINEERING & BUSINESS EDUCATION

Western University, London Ontario

Programming

Python

- Designed and created several text-based programs such as “Hangman” and “Nim” which utilized try-catch blocks and external text document accessing
- Created a 2-D animated computer game using PyGame which contained a menu screen, and a multilevel, easy and hard difficulty campaign
- Learning how to perform website data extraction using Python

Java

- Created a number of programs utilizing skills such as object-oriented programming, list sorting, stepwise refinement and recursion
- Lead scrums within the classroom to accomplish tasks quickly and efficiently
- Programmed an intricate “fighting robot” containing its own AI (the AI contained a fighting strategy and execution plan)
- Successfully completed the university level course with a final grade of 97%

Hadoop/Cloudera

- Currently learning Big Data systems through Udemy and various online resources

Business for Engineers

Financial Management

- Learned to analyze a company’s past performance, project its future financial position and explain the risks associated with granting a loan to said company
- Created financial statements such as statements of earnings, balance sheets, ratio analysis sheets, statements of cash flows and income statements to better understand a given company’s financial position to make an informed decision

Marketing

- Performed both internal and external analysis with regards to a company to better understand a company’s position in a given market
- Based on the analysis of a company, I have identified a company’s target market which allowed me to make decisions based on the product and its promotion, location and price

- I have completed a marketing report which outlined a comprehensive plan to maximize profits within a company that has a limited budget

Engineering Economics

- Currently learning how to define a customer's needs with regards to a process and to provide both core and non-core process outcomes to merit a net benefit to a company

Foundations of Engineering Practice

- Successfully lead the first course project which was an intricate Rube Goldberg machine with a resultant mark of 100%
- Utilized verbal, written, and illustrative media to communicate the design, implementation and testing of design concepts
- Successfully designed and created 3D models in On-Shape

COMMUNITY SERVICE & OTHER WORK EXPERIENCE

Polish Scouting Association, Brampton Ontario

Scout leader – Camp counselor and Sailing instructor (1000+ hours) 2014 - Present

- I utilize interpersonal skills in order to lead safe and fun programming
- I have previously planned and lead meetings, hikes, trips and camps
- Distinguished for excellency in leadership as an eagle scout

Lifetime Athletic, Mississauga Ontario

Lifeguard and Swimming Instructor (seasonal) 2017 - Present

- Went above and beyond to ensure patron safety and satisfaction
- I taught swimming lessons on a weekly basis and communicated steps for improvement with parents every single week
- Distinguished as the ***Lifeguard of the Month*** for the month of July (2018) due to the amount of shifts I have worked and my drive during said shifts

EXTRA-CURRICULARS

- **Music (2012–Present)** - Able to play the guitar and piano
- **Western Formula Racing Team (2018 – Present)** – I utilize my CAD and hands-on skills in order to help construct parts for the race car which we are building Currently learning building techniques such as carbon fiber molding and CNC machining
- **Western Founders Network (2018- Present)** – I partake in educational and networking events linked to technology, business and entrepreneurship within the club

SKILLS, HONORS AND HOBBIES

- Awards **Top Grade 10 Student** and **Highest Grade 11 Computer Engineering Mark (96%)**
- **Trilingual** – fluent in **English, French, and Polish** as a result of being a part of the French immersion program and taking Polish courses throughout high-school
- I enjoy taking pictures and videos and editing them utilizing *Adobe* products like Photoshop and Premiere