SEAN ROSE
BIOMEDICAL ENGINEERING STUDENT

(416) 825 - 8565 | Sean.Rose@uwaterloo.ca | github.com/SeanKRose

Skills

◦ Microsoft Office - Word, Excel, and PowerPoint

◦ 3D Printing & SolidWorks

◦ Programming (C# & C++)

◦ Quick Learner

◦ Customer service & communication skills

◦ Proficiency in French

Summary of Qualifications

Experience working with **Microsoft Word**, **PowerPoint**, and **Excel**. Extreme aptitude and willingness to learn various software and programs.

Experience designing products and mechanisms with **SolidWorks**, Tinkercad and the use of **3D printers** through the completion of multiple tasks and projects.

Experience with projects in **C#**, such as programming user input-based board games and code to read, sort and write various objects, files, and data types. Currently learning **C++** as a part of the BME 122 – Data Structures & Algorithms course.

Demonstrate entrepreneurial qualities such as developing a program for the City of Pickering which allows participants to use creativity to create life-sized board games.

Proficiency in French – over 9 years of experience with the French language to receive the OSSD with a French Certificate.

Education

University of Waterloo Biomedical Engineering

Anticipated Year of Graduation: 2025

To date: 4.0 GPA | 95.56%

Waterloo Engineering Endowment Foundation (WEEF) Representative

Facilitate and ensure open communication between the BME 2025 cohort and WEEF.

Allocate funds for new technology and equipment within the Engineering department for the University of Waterloo.

Awards

Kothari Family Entrance Scholarship

University of Waterloo

Awarded $15,000 for outstanding academics and extra-curricular achievements upon admission to Waterloo Engineering.

Civic Award – Youth Leadership

December 2020 | City of Pickering

Awarded for the excellent contributions and leadership demonstrated within the community.

Experience & Projects

Camp Director, Integration Camp Counsellor & Coordinator, Youth Programs

August 2018 – Present | City of Pickering

- Ensured smooth implementation of activities and overall satisfaction of the services provided using effective communication skills while working primarily with children with special needs by integrating them into the normal camp setting.

- Surpassed the City standards of portraying extreme amounts of leadership and customer service while creating and leading various programs to increase participant enrolment each session.

Projectile Launcher Project

Fall 2019 | St. Mary C.S.S. - Grade 12 Physics

- Designed and **3D printed** a functioning projectile launcher with the use of Tinkercad with the goal of testing accuracy and comparing calculation errors.

Design Project

Fall 2020 | University of Waterloo Engineering - BME 161

Designed a wheelchair scale using engineering design principles and prototype plans focusing on accurately weighing people with incomplete paraplegia.

Visualization & 3D Modeling Project

Fall 2020 | University of Waterloo Engineering - BME 101L

Created realistic **SolidWorks** parts and assemblies for various projects, including a team-based **3D** animal puzzle.

References available upon request