

# Simon Marcotte

49-1304 Rutherford Road SW, Edmonton, AB, Canada  
780-235-1492 ~ scmarcot@ualberta.ca



**Engineering  
Co-op Program**

## ACADEMIC AND CO-OP STATUS

### Computer Engineering, BSc Co-op, University of Alberta

Cumulative Grade Point Average

Completed Academic Terms

Completed Coop Work Terms

Availability starting May 2022

Class of 2026

3.07/4.00

4/8

0/5

4 months

## SKILLS

**Skills:** Microsoft, Linux, MacOS, C/C++, Python, MATLAB, Freebasic/VisualBasic, VHDL, Assembly, Git, MS Office (Word, Powerpoint, Excel), SolidWorks/Tinkercad, Google Suites, Powertools.

**Languages:** English (Fluent), French (Intermediate).

## RELEVANT COURSEWORK

Engineering Mechanics I & II, Introduction to Tangible Computing I & II, Electrical Circuits I & II, Applied Linear Algebra, Formal Systems and Logic in Computing Science, Continuous Time Signals and Systems, Calculus I, II & III,

## AWARDS&CERTIFICATES

Silver Medal Award, Lisgar Collegiate Institute, 2021

Ontario Scholar Award, Lisgar Collegiate Institute, 2021

Honour Roll, Lisgar Collegiate Institute, 2018-2020

## EXPERIENCE AND PROJECTS

### Asteroids Game Remake

Recreated the 1979 "Asteroids" game in C++ using the Allegro 5 visual package alongside a peer. Our design featured an interactive and creative user interface and title screen, along with a score counter, buttons and an enjoyable video game. Initial Ideas were documented and proposed, and kept daily logs to stay ahead of deadlines.

### Tutoring

Currently tutor high school Math students. I help them work through challenging problems, give constructive feedback to work they have done, and help them understand concepts in new ways.

### Engineering Summer Camp Volunteering

Cooperated with a team of counselors to coordinate and arrange engaging activities for campers. Supervised campers to assure well-being while maintaining a high safety standard. Interacted with and provided feedback to parents daily.

### Leadership Training

Partnered with other camp counselors and professionals to learn and improve three skills involving communication, teamwork, and conflict resolution. Utilized these skills when designing and coordinating activities with others and interacting with campers. Educated on conflict resolution and its importance in the workplace and practiced these skills daily by solving problems or concerns parents or the campers had.

### Technological Design Course

Cooperated with a group of 3 other members to design and print a model soda can. Communicated ideas to other team members and incorporated feedback in order to produce the best design. Finalized designs and plans were submitted to the instructor through means of written reports.

### Cashier/Produce Clerk

Complied to company safety standards when restocking, handling, and preparing produce. Performed under fast-paced and high intensity environments and took on multiple responsibilities at once. Communicated with upwards of 30 customers per day to respond to inquiries and ensure efficiency.

References Available upon request.