

SAM LEADER

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🌐 samleader.com

EDUCATION

University of Alberta

Bachelor of Science in Engineering

Class of 2025

Edmonton, AB

Relevant Coursework:

- PHYS 130 - Wave Motion, Optics and Sound
- ENCM 100 - Computer Programming for Engineers (MATLAB)

EXPERIENCE

Camp Oselia Children's Camp

Groundskeeper

June 2021 – August 2021

Lake Wabamun, AB

- Mowed grass, chopped wood, and other general maintenance.
- Assumed the duty of caretaker while they were absent, which included helping renters and collecting garbage.
- Learned how to operate equipment/machinery, including reciprocating saws and a tractor.

Allied Global Marketing

Gofobo Rep

February 2018 – April 2019

Edmonton, AB

- Helped run and set up movie screenings for companies including Disney and Warner Brothers.
- Scanned screening tickets (different than normal movie tickets).

PROJECTS

samleader.com | *HTML, CSS, JavaScript*

January 2022

- Developed a personal website to showcase some of my personal projects.

Software Defined Radio (SDR)

January 2022

- Built an antenna to receive images taken and transmitted by NOAA satellites passing overhead.
- In the future, I want to build a more powerful antenna to connect to satellites in geostationary orbits.

Discord Bot | *Python*

March 2021

- Built a general purpose Discord bot using discord.py.
- The bot was able to react to specific messages, send personalized messages based on the user, and perform calculations when prompted with a math problem.

SKILLS

Languages: English, French

Programming: Python (learning), HTML (learning), MATLAB, \LaTeX

Technical Skills: Git/Github, Microsoft Office

EXTRACURRICULAR

59th Greenfield Venture Company

Fall 2020 – Fall 2021

President

- Directed Company meetings, recorded minutes, and planned activities and volunteer opportunities for the Company.
- Before being elected president, I was the Company's secretary from 2017 – 2020.
- Attended the World Scout Jamboree in West Virginia in 2019, representing Canada.

VEX Robotics Club

Fall 2017 – Spring 2020

- I was a member of my high school's robotics club, where we built and programmed robots to participate in VEX robotics competitions.
- In 2018, our team placed 9th in Alberta.

AWARDS, ACCOMPLISHMENTS & CERTIFICATIONS

Alexander Rutherford Scholarship - 2021

DELF B2 - 85.5/100

WHMIS Certification - 2021

INTERESTS

Computers, Scouting, Astronomy, Music