

# Sara Bader

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## ACADEMIC AND CO-OP STATUS

University of Alberta	
Software Engineering, BSc Co-op	Class of 2027
Completed Academic Terms	4 of 8
Completed Co-op Work Terms	1 of 5
Availability Starting January 2025	8 months

## COMPUTER SKILLS

Programming: Python | VHDL | Bash | HTML and CSS | C and C++ | MATLAB | SQL | Java | Google Workspace  
Microsoft Office suites | Git  
Operating Systems: Windows and Linux

## PROJECT EXPERIENCE

Personal Portfolio Website | *Personal Projects* Dec 2023 - Jan 2024

- Designed and developed a personal portfolio website using HTML and CSS.
- Overcame challenges during the development process, showcasing strong problem-solving skills by searching the web and using documentation.
- Utilized AWS to deploy the website.
- Maintained the code on GitHub by using Git for version control.
- Demonstrated the ability to adapt and acquire new skills throughout the project.

Basic Workout Website | *Hacked Beta 2023*

- Assisted with planning and designing a basic layout of the functionality and layout of the website
- Collaborated with team members to develop and execute an innovative concept for a workout website to provide customized workout suggestions based on daily fitness targets
- Displayed a commitment to continuous learning by acquiring new skills and knowledge throughout the project, contributing to personal and team development.

## WORK EXPERIENCE

Tetra Tech | TECH CAN. TECHNOLOGIST | Edmonton, AB May 2024 - Aug 2024

- Developed multiple Python programs aimed at streamlining data processing tasks, particularly for uploading and managing GPX-tagged panoramic images and videos on Google Street View.
- Led the initiation and implementation of machine learning projects using TensorFlow, focusing on detecting specific objects, such as curbs and speed bumps, in LCMS-processed images. This effort resulted in improved automation and accuracy in identifying key infrastructure elements.
- Gained foundational experience in SQL, using it to perform essential data analysis tasks.
- Collaborated closely with field teams in various capacities, contributing to tasks such as flagging and road data collection. This hands-on experience in fieldwork not only reinforced teamwork but also provided valuable insights into the practical aspects of engineering projects.

Westwood Pharmacy | PHARMACY ASSISTANT | Edmonton, AB Jan 2023 - Aug 2023

- Worked closely with pharmacists to process prescriptions, including inputting prescription data and preparing medication for dispensing.
- Interacted with a diverse range of customers, addressing inquiries, explaining medication usage, and providing a high level of customer care.
- Ensured strict compliance with pharmaceutical regulations, including record-keeping and handling controlled substances.
- Utilized pharmacy management software like Kroll, and the Internet in general, and other digital tools to streamline prescription processing and inventory management.
- Juggled multiple tasks, including assisting customers, processing prescriptions, and managing administrative responsibilities.

## AWARDS & SCHOLARSHIPS

Alexander Rutherford Scholarship, 2022 University of Alberta Opportunities      NASA Family Member Award, 2023  
Continuing Award in Engineering, 2024

#### COMMUNITY INVOLVEMENT

MAC Community Centre   VOLUNTEER   Edmonton, AB	May 2021 - Present
Edmonton's Food Bank   VOLUNTEER   Edmonton, AB	Oct 2019 - Jun 2022
Jasper Place Key Club   JUNIOR EXECUTIVE   Edmonton, AB	Oct 2019 - May 2022

#### ADDITIONAL INFORMATION

Class 5 GDL - Clean abstract and reliable vehicle  
Languages - English (Fluent), Arabic (Fluent)  
Travel - Willing to relocate  
Safety - Completed WHMIS and general safety training