

LAYLA ARAB

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EDUCATION

University of Calgary, Schulich School of Engineering

September 2017 - April 2022

Bsc. Software Engineering; Data Science Minor, GPA: 3.51

Activities and Societies: RoboGals, Eco-Car Team, Leadership Program Member, Engineering Mentor

EXPERIENCE

Eco Car Software Executive

September 2019 - Present

Schulich School of Engineering

Founding member of Schulich's Shell Eco-marathon team.

- Create embedded systems for the team's Eco Car.
- Coordinate with other members to develop project timelines.
- Recruit members from different fields to promote more diverse opinions.

Vice President of Sponsorships

February 2020 - Present

RoboGals UCalgary

Secure funds from sponsors and enlist RoboGals for club awards.

- Employ speakers to give motivational talks at workshops.
- Enlist RoboGals for sponsorships and award applications.

ADDITIONAL EXPERIENCE

Volunteer Coordinator

April 2019 - February 2020

RoboGals UCalgary

Promote STEM fields to girls. Responsible for recruiting and managing the club's volunteer base.

- Manage logistics to ensure workshop success.
- Develop more efficient volunteer sign-up systems.
- Create and manage Facebook page to advertise workshops.

Volunteer

September 2017 - April 2019

RoboGals UCalgary

- Volunteer at workshops to encourage young girls to pursue STEM fields
- Encourage groupwork and procedural techniques to solve the problem at hand

International Student Mentor

September 2018 - May 2019

Schulich Mentorship Program

Mentored two international students through the first year of their degree

- Set up regular meetings with mentees to ensure integration
- Provide additional support where needed

Leadership Program Member

September 2018 - May 2019

Schulich Leadership Program

Learn skills necessary for engineers in industry beyond coursework.

- Develop self-awareness, communication, and time management skills
- Network with other program attendees

SELECT PROJECTS

Weasel Beagle

Fall 2019

Implemented using a MEAN stack and custom REST API, WeaselBeagle is a pet adoption website that services shelters, adopters, as well as vets and trainers.

Rental Property Management System

Fall 2019

Uses Vaadin, a Java framework built on Spring Boot. The DocuSign API is used to implement contract signing. The system services landlords and renters by allowing the registration and rental of properties.

ScrapCycle

November 2019

Code the Change Hackathon, 2nd place

ScrapCycle is a material exchange system for corporations. The platform allows businesses to advertise excess raw materials on the system. This reduces business waste. Uses the Vaadin framework.

Client-server Toolshop Application

Winter 2019

A client-server application built on Java with a JFrame frontend. Businesses can manage their tool inventory, and can set up automatic tool restocking.

TECHNICAL SKILLS

Languages	Java, C, C++, JavaScript, Node.js, R, Python, MySQL, MongoDB, Elastic
Frameworks	Angular, Vaadin, Spring Boot, React, Spark, Pandas
DevOps	Docker, Azure, AWS, Google Cloud

ACHIEVEMENTS AND SCHOLARSHIPS

Jason Lang Scholarship, Schulich School of Engineering	2019
Dean's List, Schulich School of Engineering	2018
Margaret and Ted Newall Bursary	2017
Duke of Edinburgh International Silver Awards	2016