

Mahir Islam

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**Engineering
Co-op Program**

ACADEMIC & CO-OP STATUS

Engineering - 2nd Year, BSc Co-op, University of Alberta

Cumulative Grade Point Average

Completed Academic Terms

Availability Starting May 2024

Key Electives: ECE 202 - Electric Circuits I, ECE 240 - Continuous Time Signals and Systems, PHYS 230 - Electricity and Magnetism, ECE 210 - Introduction to Digital Logic Design, ECE 212 - Introduction to Microprocessors

Class of 2022

3.5/4.0

3 of 8

4 months

TECHNICAL SKILLS

- Programming: Python
- Google Workspace: Drive, Doc, Slides
- MS Office: Excel, Word, PowerPoint, SharePoint

PERSONAL SKILLS

- Self-motivated and hard-working
- Very good interpersonal and communication skills (verbal and written)
- Detail oriented and team player
- Conducted with minimal supervision and ability to prioritize work.

PROJECT EXPERIENCE

SIC Sustainable Cities Challenge, Re-design of Hawrelak Park

Oct 2023 - Oct 2023

University of Alberta, Edmonton, Alberta

- Proposed implementation of an oasis in a concrete jungle with a discussion of analytical concepts regarding integration of green spaces, urban agriculture and stakeholders.
- Productive discussions facilitated each member with different parts of the project to speak about and delivered a well organized presentation to judges and elucidated the results of the project and possible implications.

Sunbeams Science Fair

Sep 2020 - Oct 2020

Sunbeams School, Dhaka

- Designed a project consisting of a python program instructing a user how to solve a rubik's cube. Finished in second place while demonstrating, winning second place award.
- Attained a valuable understanding of software design challenges whilst making coding ideas practical.

WORK EXPERIENCE

Commercial Sales Intern

May 2023 - Aug 2023

Eaton (Website - <https://www.eaton.com/ca/en-gb.html>), Edmonton, Alberta

- Committed to a 4-month work term operating at the Eaton Edmonton Power Center.
- Produced all necessary documentation by accumulating information from company resources on functionality of each component on a single line diagram as well as information about circuit breakers, poles, surge protection devices, digital metering etc. on a panel schedule and on a single line diagram.
- Drafted and generated sales quotations primarily for panel boards as well as data collection on Microsoft Excel and file management on company website.

CERTIFICATIONS

- Workplace Hazardous Materials Information System - 2022

AWARDS & SCHOLARSHIPS

- University of Alberta First-Class Standing
- Faculty of Engineering Iron Standard Entrance Scholarship, University of Alberta International Admission Scholarship and University of Alberta Regional Excellence Scholarship

EXTRACURRICULAR INVOLVEMENT

- High school Robotics club member, worked with an Arduino and Programming club member.