

AADI UMRANI

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LOOKING FOR 4 MONTH CO-OP JOB STARTING FROM 01-MAY-2023

I am a Biomedical Engineering student, Living in Waterloo, Canada, studying in my first year of studies out of a total of 5 at the University of Waterloo. I have a passion for the engineering industry and seeks to bridge the gap between theoretical knowledge and practical experience through co-op. I have become an adaptable, driven and determined individual where his strengths lie in thriving in time-sensitive situations especially when working within a team, yet can apply an analytical approach to tasks when working solely. I am proficient in the English language and adept in computer language. MATLAB, C++, SolidWorks and Python is where my experience has been strengthened in studies.

Core Skills

- C++ Programming
- HTML
- CSS
- SolidWorks
- Python
- MS Office (Word)
- MS Office (PowerPoint)
- MS Office (Excel)
- Canva
- Time Management
- Leadership
- Teamwork
- Self-motivation
- Learner mindset
- Presentation
- Public Speaking
- Communication
- Positive Attitude
- Project Management

Achievements

- Languages:** Fluent in English, Native Marathi, Fluent in Hindi
- Computer:** Proficient in Microsoft PowerPoint, Excel and Word.
Currently completing 3 Online Courses: Power BI, MATLAB, and Python
SolidWorks, C++ are software I am comfortable using through university projects, namely: Wheelchair Exercise Tracker, B-Mode and at University of Waterloo.
- Awards:** University of Waterloo President's Scholarship of Distinction.
Scholar badge (Score > 90% throughout middle and high school years)
Public speaking at inter-club contests.
Most promising tennis player by the school (2019-2020).
Represented the school tennis team at the national level.
- Licenses | Certificates:** TCPS 2: CORE, University of Waterloo, February 2023
Active Bystander Intervention, University of Waterloo, January 2022
Engineering Machine Shop Certification, University of Waterloo, September 2022
WHMIS 2015, University of Waterloo, September 2022
Competent Communicator, Toastmasters International
- Interests:** Tennis, Formula 1, Photography

Education

University of Waterloo (Canada)

2022 - 2027

Biomedical Engineering- Undergraduate (Fall term 2022 Score: 80.36%)

Modules include: Communication in Biomedical Engineering, Biomedical Design, Human Factors in Design of Biomedical & Health System, Digital Computation, Data Structures & Algorithms, Organisational Behaviour, Calculus, Matrices & Linear System

Projects include: Wheelchair Exercise Tracker, B-Mode

DPS Modern Indian School (Qatar)

2010 - 2022

CBSE SSC: Mathematics, Science, Languages, Information Technology (Score: 92.5%)

CBSC HSC: Mathematics, Physics, Chemistry, Biology (Score: 92.0%)

Work Experience

I am looking forward for my maiden co-op opportunity.

Volunteer Experience

Vice President – Public Relations | Indian Club Gaveliers (Qatar)

Jan 2017 – Dec 2020

- Developed club's inaugural website
- Designed visually appealing flyers to promote various club gatherings and events.
- Was awarded the Competent Communicator designation by Toastmasters International in recognition of my communication skills.

Director – Photography Club | DPS Modern Indian School (Qatar)

Apr 2021 - Mar 2022

- Arranged photography workshops for the students to create interest in photography
- Managed photography competition for students

Team Member | Indian Community Benevolent Forum (Qatar) Jan 2021 - Dec 2021

- Gained volunteering experience of independently managing a task.
- Supported the registration of patients for various health camps organized by the forum.
- Analysed the patient's requirements & Managed appointments.

Project Experience

Wheelchair Exercise Tracker | University of Waterloo (Canada)

Sep 2022 - Dec 2022

- Designed a solution that enabled wheelchair users to get an improved quality of exercise.
- Applied different aspects of biomedical design in the entire design process, from the problem definition till the prototype presentation.
- Applied technical skills, like SolidWorks and C++, for making the prototype design and data encryption, machine shop skills for fabrication of the prototype, and MS Office for Presentations and Reports.
- Designed a visual abstract using Canva.

Random Database (C++ Individual Project) | University of Waterloo (Canada)

Feb 2023 - Mar 2023

- Developed a C++ code to input values such as name, date of birth, email I.D., etc. into a csv file. Also, functions like adding, viewing, modifying, and deleting data from the csv file can be performed.
- Made use of object-oriented programming.

B-Mode (BME 121 Individual Project) | University of Waterloo (Canada)

Nov 2022 - Dec 2022

- Developed C++ code to generate a 2D image from input data received from an ultrasound scanner.
- Applied various concepts, mainly classes, functions, and linked lists.
- Prepared the final report in MS Word.

Website Development for Gavel Club | Indian Club Gaveliers (Qatar)

Jun 2018 - Dec 2018

- Developed the first version of the website for the Indian Gavel Club using HTML/ CSS.
- The website was containing Club vision, ExCom details, member's record, club activities and meeting records.

Pregnancy and Related Complications, MTP (High-School Project) | DPS MIS (Qatar) May 2021 - Dec 2021

- The project mostly involved research from information available on the internet, as well as using the information in our school textbook. It also included a case study based on a medical case I found online.
- Used MS PowerPoint for presenting it to the class.