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

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 content included 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 online research, as well as, books available from the school library. It also included a case study based on a medical case.
- Used MS PowerPoint for presenting it to the class.

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

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

Education

University of Waterloo (Canada)   **Sep 2022 – May 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, Random Database

DPS Modern Indian School (Qatar)

CBSC HSC: Mathematics, Physics, Chemistry, Biology (Score: 92.0%)   **Apr 2020 – Jun 2022**

CBSE SSC: Mathematics, Science, Languages, Information Technology (Score: 92.5%)   **Feb 2010 – Mar 2020**