

ARYAN HUSSAIN

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EDUCATION

UNIVERSITY OF TORONTO

September 2022 – Present

Bachelor of Applied Science, 1st year

TrackOne, Undeclared Engineering + PEY Co-op

- Faculty of Applied Science & Engineering Admission Scholarship

SIR WILFRID LAURIER COLLEGIATE INSTITUTE

September 2018 – June 2022

Ontario Secondary School Diploma

GPA: 4.0/4.0

TECHNICAL SKILLS

Microsoft Office: Word, Excel, PowerPoint, and OneNote

Design Skills: DaVinci resolve and Canva

Computer Skills: MATLAB, C, Python, Java, and WIX

PROJECT EXPERIENCE

PANCREATIC MICROVESSEL ISOLATION University of Toronto

January 2023 - Present

Project Logistics Manager

- Thoroughly researched the anatomy of a pancreas to develop a procedure and final design to isolate pancreatic microvessels in accordance with IEEE guidelines
- Coordinated seamless logistics for meetings with multiple stakeholders by efficiently scheduling appropriate meeting times and locations to ensure both team members and the client were able to attend as per their schedules.
- Created detailed diagrams and schematics to visually communicate design concepts, providing a clear and concise representation of complex ideas

SIDNEY SMITH BUILDING ENTRANCE REDESIGN University of Toronto

September 2022 – December 2022

Project Team Leader

- Leading a team of 5 Engineering students to formulate a ramp design for the east side entrance of the Sidney Smith building to incorporate accessibility and enhanced safety
- Compiled tasks crucial to the completion of the project and delegated said tasks between members based on task priority, member's skill, preference, and deadline
- Planned, organized, and directed up to 4 weekly meetings to analyze project progression, develop complex solutions to the problem as a team, and discuss future plans for the project

ENGINEERS WITHOUT BORDERS, University of Toronto

January 2021 – March 2021

Project Associate

- Collaborated in a team of 4 to model a website using WIX, designed to raise awareness for Toronto's homeless crisis by bringing forward researched statistics and encouraging donation to a trusted homeless shelter
- Marketed our project and website using social media by opening a public Instagram page and posting infographics designed using Canva to raise awareness for our cause
- Briefed professors and alumni from the University of Toronto with a 15-minute PowerPoint presentation on our team's project implementation

REVERSI ARTIFICIAL INTELLIGENCE, University of Toronto

March 2023 – April 2023

Developer

- Developed and implemented the game of Reversi using C programming language, with a focus on delivering a seamless and engaging player experience.
- Designed and integrated an artificial intelligence (AI) computer opponent for the game, utilizing machine learning techniques to optimize gameplay strategies and enhance the challenge for players
- Conducted rigorous testing and debugging of the Reversi game and AI system, ensuring robust functionality and performance across various operating systems and hardware platforms.

EXTRACURRICULAR EXPERIENCE

LAURIER COMPUTER SCIENCE CLUB, Sir Wilfrid Laurier Collegiate Institute

March 2021 – June 2022

Java Trainer

- Applied Java programming knowledge to tutor beginner students in coding to prepare them for the Canadian computing competition by holding weekly hour-long tutoring sessions
- Prepared a curriculum to teach students by analyzing past competitions and focusing on the areas of importance resulting in a diverse curriculum including the basics for the beginners and specific advanced topics for experienced members