

ZAEEM AHMAD

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PERSONAL STATEMENT

Trustworthy and hardworking engineering student with a substantial, growing list of personal and team projects in the fields of software, electronics, and data analysis. Aiming to leverage my work and volunteer experience, which portray my excellent work ethic, outstanding problem-solving skills, and superb team-working skills, to benefit my community and develop my leadership experience.

EDUCATION

University of Toronto

Bachelor of Applied Science in Electrical Engineering (BASc)

Overall GPA: 3.77/4.0

September 2023 - April 2027 (Expected Graduation)

PROJECTS

Hart House Wayfinding

Engineering Strategies and Practice I

Sep 2023 - Dec 2023

Toronto, ON

- Led a diverse 6-member team in Engineering Strategies and Practice I to design a wayfinding solution for Hart House, overcoming communication challenges and applying rigorous engineering design methodologies.

MedTray

IEEE MakeUofT Hardware Hackathon 2024

Feb 2024

Toronto, ON

- Developed MedTray, an automated medication dispenser, to aid nurses during COVID-19 by simplifying medication management. Led 3D design, coding, and assembly, overcoming technical challenges to ensure a functional prototype.

Elemental

Personal Project

May 2024 - Jun 2024

Toronto, ON

- Developed Elemental, a C++ program using the Qt framework to spell words with periodic table elements. Overcame algorithmic challenges, built a GUI, and successfully shared the application with a high school teacher.

ECE Hardware Workshop

Department of Electrical and Computer Engineering

May 2024

Toronto, ON

- Attended a University of Toronto ECE summer workshop, dealing with analog circuits and lab equipment. Built circuits like rectifiers and a Joule thief, gaining practical skills and confidence for second-year courses.

Nightblade

Department of Electrical and Computer Engineering

May 2024 - Jun 2024

Toronto, ON

- Worked with CAD, microcontrollers, and algorithms. Designed and built autonomous robots, placing second in a challenging race, gaining confidence in digital electronics and teamwork.

CERTIFICATIONS

MATLAB Onramp

Certification by MathWorks Training Services

November 2023

Toronto, ON

Standard First Aid CPR-C and AED

Certification by St. John Ambulance

March 2023

Toronto, ON

Building Skills Through Recreation (BSTR) - Employment Readiness

Certification by the City of Toronto

February 2023

Toronto, ON

WORK EXPERIENCE

Incorp Pro Incorporation Agency
IT Support

August 2023
Toronto, ON

- Set up office IT infrastructure, including acquiring and installing monitors, computers, and printers, configuring operating systems, and troubleshooting software and hardware issues.

Bangladesh Centre & Community Services (BCCS)
eBusiness Website Developer

June 2021 - July 2023
Toronto, ON

- Designed and maintained organization's website, managed IT systems and network administration, and created promotional materials for meetings and events; co-founded Youth Collaborative Services and led youth volunteers in community initiatives.

Self-Founded Online Tutoring Business
Elementary and Highschool Tutor

October 2020 - July 2023
Toronto, ON

- Tutored elementary and high school students in various subjects, including mathematics, English, sciences, and computer science; provided homework help, test preparation, and guidance on assignments and projects.

EXTRACURRICULAR INVOLVEMENT

University of Toronto Aerospace Team (UTAT)
State of the Art Researcher

Jan 2024 - Present
Toronto, ON

- Member of the electrical subteam for the FINCH mission, conducting RD and designing PCBs for CubeSat photovoltaic cells and battery monitoring and charging.

Salaheddin Islamic School Student Council
Co-founder and Co-president

September 2022 - June 2023
Toronto, ON

- Founded and led my school's first student council, organizing and executing events such as fundraisers, spelling bees, drives, science fairs, and intramurals, as well as releasing the first issue of a school magazine named VantagePoint

Computer and English Class for Seniors
Teacher and Course Developer

September 2021 - July 2023
Toronto, ON

- Developed and delivered weekly lessons for computer basics and English classes tailored for seniors, covering hardware/software skills and providing personalized instruction in reading, vocabulary, and conversation.

Taekwondo Martial Arts
Training Assistant

March 2017 - Present
Toronto, ON

- Red-stripe Taekwondo student (upper-intermediate level), training weekly in martial patterns, self-defense, and sparring, while leading and instructing lower belt students on techniques and patterns.

AWARDS AND HONOURS

- University of Toronto Dean's Honour List
- Edward S. Rogers Sr. Admission Scholar
- Faculty of Applied Science & Engineering Scholar
- University of Toronto Scholar
- Ontario Scholar

References Available Upon Request