

AMIRREZA AAZAM

SOFTWARE ENGINEER INTERN

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EDUCATION

Bachelor of Engineering – BE, Major: Electrical and Computer Engineering + PEY Co-op 2021 – 2025
University of Toronto – St. George Campus, Toronto, ON

SKILLS

Professional Skills: Leadership, Problem-Solving, Engineering Design
Languages: C, C++, HTML5, CSS3, JavaScript (React), Python, MATLAB

WORK EXPERIENCE

Co-Founder May 2022 – Present

FallBye | Toronto, ON

- [Founded a winning aging technology](#) startup at the UofT Entrepreneurship Hatchery. The startup developed IoT-based smart undergarments for the elderly to mitigate fall injuries.
- Co-developed a fall detection algorithm involving data sampling from a KX134 through **I2C protocol** and comparing the 3-axes values to conclude a fall on the left or right
- Conducted **user-based prototyping** sessions and analyzed the data to improve the prototype.
- Developed **cash flows** based on data-driven feedback from secondary market research.

Grocery Clerk October 2019 – September 2021

Food Basics | Toronto, ON

- Maintained and organized products, provided general sanitation and customer service
- Provided quality customer service to a range of customers

Fibre Splice Technician June 2018 – August 2019

Telecom Construction Group (TCG) | Toronto, ON

- Assisted with splicing and installation of **ADT security equipment** for clients within the Greater Toronto Area
- Worked with a team to install equipment throughout the season

PROJECTS

[TrackTC](#) **React.js, Styled Components, Django, Django REST**

- A web app to support commuters, by sending a reminder email that includes potential TTC and bus delays
- Fetched **GET and POST** requests to display the TTC API in a user-friendly and fully responsible display

[Portfolio Website](#) **React.js, Redux**

- Developed a fully responsive portfolio website with various UI features to showcase my skills and experiences

Shape Database **C++**

- Implemented a **C++ database** consisting of linked lists capable of handling a large number of shapes
- Applied different object-oriented programming principles such as **inheritance**, which enabled the storage, manipulation, and dynamic memory allocation of new shapes not originally accounted for in the program.

LEADERSHIP EXPERIENCE

Youth Group Executive July 2015 – August 2022

IMY Youth Organization | Toronto, ON

- Organized a community-driven religious network that aims to connect, and inspire relationships within the GTA
- Acted as the liaison between the youth group and **100+ community members**

President April 2020 – June 2021

Engineering & Tech Club | Toronto, ON

- Founded a platform that would help St. Robert Catholic High School students gain knowledge and experience in Engineering with **30+ active participants**