

# SHAYAAN RASHEDIN

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Second-year Computer Engineering student at Toronto Metropolitan University with aspirations to become an IT professional. Highly motivated and equipped with hands-on experience in engineering instruction, robotics competition, IT support, and leadership roles. Passionate about technology, problem-solving, teamwork, and continuous learning.

## EXPERIENCE

### Toronto High Park Young Engineers, Toronto, ON – Youth Engineering Instructor

September 2024 – Present

- Designed and delivered an engaging engineering curriculum, combining Lego projects with demonstrations of concepts like transmissions and gear ratios.
- Fostered a creative, supportive classroom environment, offering real-time guidance and encouraging hands-on exploration of engineering principles.
- Built strong parent relationships by providing regular progress updates, detailed report cards, and personalized strategies for student development.
- Coordinated with instructors to maintain consistent teaching standards and continuously refine classroom practices for better student outcomes.

### Boswin Robotics, Mississauga, ON – Assistant Camp Supervisor

July 2024 – August 2024

- Directed daily operations across French, Minecraft, and Lego Robotics sessions, ensuring seamless scheduling, smooth transitions, and a safe, engaging camp environment.
- Supervised and coached camp staff, led daily briefings, resolved conflicts, and enforced standards to deliver high-quality programming.
- Engaged with parents, providing timely updates, resolving concerns, and implementing feedback to continuously enhance the camper experience.
- Managed logistics, materials setup, policy compliance, and program evaluations, recommending improvements for future sessions.

### Boswin Robotics, Mississauga, ON – Lego Robotics Camp Counselor

July 2023 – August 2023

- Supported daily Lego robotics sessions, assisting students with project building and skill development.
- Maintained a safe, engaging, and positive environment to promote learning and creativity among all campers.

### VEX Robotics World Championship Team – Lead Builder and Programmer

September 2021 – May 2023

- Represented Canada in the VEX Robotics World Championship for two consecutive years, leading robot design, construction, and competition preparation.
- Programmed and optimized autonomous functions, utilized CAD software for precision design, and conducted extensive testing to enhance robot reliability.
- Led troubleshooting efforts during competitions, quickly resolving mechanical and coding issues to maintain peak performance under pressure.
- Trained team members in building and programming skills, managed logistics, and documented tournament outcomes to drive continuous team improvement.

## PROFICIENCIES

### Technical:

Basic Computer Architecture, Operating Systems (Windows, Linux), Remote Connection and Virtual Machines, Computer Networking, Routing Concepts, VPNs and Proxies, Permissioning, Systems Administration, Configuration, IT Security, Cryptology/Encryption, Hashing, Network Security, Java, C Programming Language, Microsoft Office

### Business Skills:

Software Management, Troubleshooting, Customer Service, Communication, Package and Software Management, Process Management, Resource Monitoring, Centralized Management, Directory Services Management, Data Management and Recovery

## PROJECTS

Designed and implemented a simple central processing unit using VHDL in an FPGA environment. Responsibilities included building the ALU functions, conducting functional simulations, and showcasing the project's success through Quartus software simulations.

## EDUCATION

### Toronto Metropolitan University, Toronto, ON, Bachelor of Computer Engineering - September 2023 – Present

Key courses: Engineering Algorithms and Data Structures, Object-Oriented Engineering Analysis and Design, Electronic Circuits 1

### Google IT Support Professional Certificate, Coursera — Online - Completed February 2025

Completed a hands-on program covering troubleshooting, customer service, networking, operating systems, system administration, and security.

### Port Credit Secondary School, Mississauga, ON, Ontario Secondary School Diploma (OSSD) — SciTech Certificate - September 2019 – June 2023

Graduated with Honors from the Science and Technology program.

## VOLUNTEER WORK

GlobalMedic, Mississauga, ON 2021 – 2022