

Ehab Haque

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Technical Skills

- **Development:** C/C++, Linux, Java, BASH, Git, Python, AutoCAD, HTML5, CSS3, Dart, MATLAB, PowerBI, ETAP, GUI Design
- **Technical Skills:** CCTV, Access Control Software, IP Video Systems, VoIP, DNS, TCP/IP, Cloud Solutions, Office365

Education

BEng Electrical Engineering | *York University* | *September 2018 – April 2024*

- Graduated with honours.

Experience

Lassonde Motorsports - Electrical Systems Designer | *Sept 2023 - April 2024*

- Participated in developing key vehicle components related to power distribution, telemetry, and control systems.
- Researched data acquisition methods to enhance system performance and reliability.
- Created comprehensive documentation and schematics for electrical systems, including wiring diagrams, component specifications, and system configurations.

YURS Rover Design Team - Electrical Systems Designer | *Sept 2022- April 2023*

- Collaborated in designing and prototyping two custom PCBs in KiCAD, integrating a microcontroller to enable I2C/UART to CAN communication between GPS, compass modules, and the central control module.
- Collaborated on embedded C code development for the microcontroller, facilitating I2C and UART data transmission from external modules.
- Engaged proactively in team discussions, brainstorming sessions, and collaborative problem-solving activities.
- Participated in two 4-day rover competitions, diagnosing issues and improving rover functionality to meet specific requirements.

Tech Rehab – IT Specialist | *May 2020 – Present*

- Effectively identified and resolved network issues onsite and remotely across modems, servers, routers, switches, and mesh Wi-Fi systems.
- Skilled in internet and telecom technologies, including domain management, DNS, TCP/IP, email systems, cloud solutions, backup and storage, VoIP, and Microsoft Office Suite, consistently reducing system downtime by 20% through proactive maintenance and troubleshooting.
- Applied expertise in Windows, macOS, iOS, and Android operating systems to optimize system performance and enhance user experience, reducing average support ticket resolution time by 25% for issues related to these platforms.
- Installed, programmed, and installed CCTV cameras and doorbells(Ring etc). Ran ethernet cables from NVR to equipment, test cables and equipment, and guided end users on system operation.

York University (Lassonde) - IT Technician | *October 2022 – April 2024*

- Executed software rollouts across 40+ instances in high-capacity labs, utilizing advanced management tools to ensure seamless integration and reduce software deployment time by 50%.
- Proficient in troubleshooting and resolving complex technical issues with a 90% first-call resolution rate.
- Improved IT issue resolution efficiency for students and senior staff by systematically collecting, organizing, and prioritizing tasks based on established criteria and prior experience, reducing response time and increasing satisfaction.

Projects

CCTV Security Installation and Design Project – Baxters Bakery, Scarborough, ON

- Installed and configured 30+ CCTV cameras at Baxters Bakery, designing a comprehensive layout to ensure optimal coverage. The system is routed to a central NVR in the main office for upper management viewing.
- Integrated weather-resistant mounting solutions for outdoor cameras. Guided staff on system usage to enhance monitoring of both interior and exterior premises.

Wireless Network Deployment Project - Shipping/Receiving/Manufacturing Warehouse, LA Metal, Toronto, ON

- Designed and implemented 18 access points to ensure optimal coverage for 50+ operational tablets, providing sufficient access point coverage to satisfy the system network load and ensure seamless operation for all connected devices.
- Developed a Power BI presentation to provide the client with detailed options, including Ethernet cable run lengths, recommended access point models, and project completion timelines.

Clonezilla Documentation Project - TechSOS, Markham, ON

- Created comprehensive user documentation for Clonezilla, an open-source disk cloning and imaging tool. Included step-by-step guides for installation, configuration, and cloning procedures.
- Tailored the documentation for both novice and advanced users. Ensured clarity, accuracy, and ease of use in the guides.

Capstone Project – YFS Wellness App: iOS & Android Development

- Led the development of a custom app for the YFS Wellness Centre at York University, increasing student engagement by 25% by implementing features such as a Google Calendar for upcoming events, a Database for updating resources, a Pomodoro timer, and interactive games.
- Managed end-to-end design and deployment on iOS and Android, ensuring broad accessibility and smooth functionality.
- Collaborated with team members to drive discussions and deliver presentations, ensuring a timely, high-quality delivery.