

Bashar Sha'aban

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<https://github.com/BASHI3R>

Education

Bachelor of Engineering Systems and Computing (Co-op)

Jan 2022 - April 2028

University of Guelph, Guelph, ON

- First Aid Certified and Welding Certified 2026
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Experience

Robotics Mechanical Design Engineer

Oct 2019 - Present

FIRST Robotics Team, Guelph & Milton, ON

- Completed engineering competitions to design & construct large, intricate robots that met all design requirements and rules in a short time frame
- Soldering, welding, wiring, design, critical analysis, and prototype/3D printing skills
- Design & CAD experience in Blender, Solidworks, AutoCAD, and their extensions
- Machining experience with lathes, drill presses, hand tools, CNC, and Axis-machines
- Experience in coding Java, Python, C, C++, C#, Linux, and MATLAB
- Experience in Docker, logging, and embedded systems

IT Support & Project Lead Co-op

April 2024 - Sept 2024

Trophy Foods Inc., Mississauga, ON

- Completed many IT help tickets with documentation/communication
- Developed new company automated processes/software and presentations
- Lead developer in creating a functioning SharePoint Online website and Apps

Automation Operator and Technician

April 2022 - Sept 2022

SureCure Aligners, Milton, ON

- Worked in a fast-paced environment with a team producing over 500 products/day
- Fixed, maintained, and ran automation and manual machines
- Multitasking at fixing assigned stations and helping/instructing at other stations
- Quality Assurance skills with extreme precision, with attention to detail

Lean Manufacturing System Process Co-op

Jan 2026 - April 2026

Valcom, Guelph, ON

- 5S, organizational system skills, onboarding/integration, and CMMS training
- Improved efficiency, maintenance, and manufacturing processes
- Effective understanding of antenna concepts, designs, and creation of manuals

Computer Lab Technician.

Jan 2023 - April 2025

University of Guelph, Guelph, ON

- Completed over 300 software troubleshooting and computer setups
- Utilized quick critical thinking skills, student coding assistance, and web app design
- Ensured computer labs & SQL server upkeep, functionality, and wire management