

# Richard Tran

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## Mechanical Engineering Graduate | AutoCAD Technician & Drafter

*Recent Mechanical Engineering graduate with a passion for design and craftsmanship. Proficient in CAD software and hands-on fabrication with experience designing and fabricating wooden furniture and robotic systems.*

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### Highlights of qualifications

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- Excellent manufacturing skills with experience working in a machine shop
  - Soldering, welding, sand blasting, capable of using lathe, milling machines, table saws, mitre saws, planers, any and all hand tools
- Proficient with SolidWorks (FEA, heatflow, etc), AutoCAD, and Fusion 360
- Excellent with ABB robot programming, and simulation
- Excellent with Siemens and Allen-Bradley ladder logic programming
- Proficient with mathematical modelling
- Proficient with C programming
- Proficient with PLA 3D printing

### Education

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Sheridan College Institute of Applied Technology

Sept 2020- May 2024

*Bachelors of engineering (Mechanical Engineering)*

- GPA: 3.6

### Projects

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- Designed & fabricated wooden furniture for elementary school students
- Designing & fabricating an autonomous CNC milling rover
- Designed & fabricated automatic blinds
- Winner of Skills Sheridan Competition for Mechatronics design and fabrication
- Designed & tested FESTO Modules for assembly lines (pick and place mechanisms, handling and distributing stations)

### Work Experience

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AutoCAD Technician(Full-time)

July 2024-Present

*CityWide Automation (Woodbridge, Ontario)*

- Produced entire site documentation packages, includes; Floor plans, BOMs, Device counts, and functionals, through entire life cycle of site, from conception to occupancy
- Programmed and implemented room control units (RCUs) for occupant usage

Robotician (Part-time)

May 2024-Nov 2024

*Taiga Robotics (Toronto, Ontario)*

- Programmed UFACTORY 850 robotic arms. Created operation manuals for overall usage.

Lab Technologist (Full-time)

May 2023-Sept 2023

*Sheridan College (Brampton, Ontario)*

- Maintained and repaired machine shop equipment (lathes, mills). Managed inventory of tools and materials.