

Devin Mah

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Education

Western University

Undergraduate in Materials and Mechanical Engineering

Expected Graduation: June 2029 | GPA: 3.9

Experience

Mobile Tire Technician, Family Business – Markham, ON

Seasonal | 2017 – 2024

- Performed on-site tire changes for residential customers (mounting and installation)
- Transported tires between storage and service locations and returned them after installation
- Moved household items as needed to access and handle tires safely
- Ensured safe installation and proper handling of tools and equipment

Contract Designer, Family Business – Markham, ON

Dec 2024

- Designed and iterated a custom POS monitor mount using Fusion 360 to meet client constraints
- Modeled and fabricated the part using 3D printing
- Delivered a functional solution tailored to space and mounting constraints

Projects

CAD Design Projects (Fusion 360, SolidWorks, 3D Printing)

- Designed and fabricated a replacement fridge door handle to restore functionality
- Developed a 3D-printed AirTag wallet attachment with integrated storage
- Designed a custom Wyze camera mount to enable remote 3D printer monitoring
- Reverse-engineered and adapted a molded bag buckle for 3D printing with added attachment features
- Modeled a SAD light therapy lamp and muscle actuator as part of coursework projects

Heat Transfer Experiment (Course Project)

- Designed and assembled a cooling experiment using a CPU heat sink and variable-speed fan
- Measured temperature data using a T-type thermocouple and NI USB-TC01 with LabVIEW
- Analyzed data in Excel to evaluate heat transfer performance and time constants of the system

Skills

Software: SolidWorks | Fusion 360 | AutoCAD | MATLAB | Excel | LabVIEW | Arduino | Java

Manufacturing: 3D Printing | Woodworking (2 yrs; design & fabrication) | Basic Machining

Languages: English (Fluent) | Japanese (Beginner)

Extracurriculars

Trombonist, Western Engineering Musical

Nov 2024 – Mar 2026 (Seasonal; 2 Productions)

- Performed in a live musical production as part of an ensemble
- Developed teamwork and timing through rehearsals and performances
- Built 6+ years of trombone experience through regular performance and practice including high school music ensembles