

Jason Jiang

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Education

Master of Science – Mechanical Engineering (GPA: 3.72/4.0)

University of Texas at Austin

May 2026

Austin, TX

Bachelor of Engineering – Mechanical Engineering (GPA: 3.81/4.0)

McGill University

Apr 2024

Montreal, QC

Work Experience

Operations Engineering Intern

TriMet

May 2025 – Aug 2025

Portland, OR

- Created comprehensive SOPs for the full lifecycle of **160** bus and train lifts, from asset intake through retirement, streamlining maintenance and facility operations
- Analyzed workflows to eliminate oversights, increasing inventory compliance by **18%** and symptom code compliance by **30%**
- Collaborated with OEMs, OSHA, contractors, and internal teams to align preventative and reactive maintenance practices with industry and regulatory standards

Project Manager Intern

ABB

Apr 2024 – Jul 2024

Montreal, QC

- Led **10+** service projects with budgets up to **\$300,000** on dispatching engineers to troubleshoot ABB equipment on client power plants
- Ensured all customer deliverables, timelines, and milestones were followed through to completion and on budget by evaluating risk and scope deviations
- Implemented data automation through **Excel VBA** and **Power BI** to assist sales team and project managers

Mechanical Engineer Co-op

Healthcare Systems R&A Inc

May 2022 – Aug 2022

Montreal, QC

- Developed the mechanical design of a Brain-Computer-Interface headset for stroke neurorehabilitation
- Applied **DFM** and **DFA** with **SolidWorks FEA** to validate part design, increase part strength by **40%**, and reduce stress concentrations - increasing material efficiency by **20%**
- Built mechanical prototypes using **3D Printers** with various thermoplastics

Project Engineering Intern

Bombardier

Sept 2021 – Apr 2022

Dorval, QC

- Produced **Macros** in **Excel** with **VBA** to harmonize the Global 7500 aircraft engineering operations – saving over **10 work hours** per week
- Tracked **200+ workflows** to create and update product and progress management deliverables

Career Related Activities

Project Manager

UT Austin EcoCAR

Sept 2024 - Present

Austin, TX

- Led a team of over **50** students in a competition to modify a Cadillac Electric Vehicle by integrating new hardware and software to enable a more powerful, automated, and connected vehicle

Skills

SolidWorks, ABAQUS, MATLAB, AutoCAD, CFD, DFM, DFA, GD&T, FEA, 3D Printers, Excel, CAD, VBA