

Yunheng Li (he/him) Manufacturing Engineering

Montreal, QC

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TECHNICAL SKILLS

Computer

- SolidWorks
- Microsoft Office
- Visual Studio
- C, C#, html, CSS

Certificate and Languages

- Class 7 driver's license
- Standard First Aid and CRP-C
- Fluent in English and Mandarin, French

Tools

- 3D printing
- Lathe Operation
- Milling
- Abrasive Grinding

EDUCATION

University of British Columbia
Bachelor of Applied Science - Manufacturing Engineering
Co-op: Available for 16 months beginning May 2025

Expected Graduation: May 2027

TECHNICAL WORK EXPERIENCE

Chimelong Group, Zhuhai, Guangdong
Engineering Department Analysis Intern

June 2024 – August 2024

- Assisted in analyzing the electricity consumption of the marine life support system, leading to reduced usage and costs.
- Assisted in analyzing rust and oxidation issues with the cable car system and evaluated the humidity control system at the stations.

TECHNICAL PROJECTS

Cardboard Chair, University of British Columbia

October 2024 – November 2024

- Collaborated with team members to design a foldable cardboard chair
- Personally utilized SolidWorks for modeling and design, and led the team in assembling the final product.
- Optimized the design to minimize weight and material usage while ensuring robust support strength and foldability.

Arduino Claw, University of British Columbia

February 2024 – March 2024

- Designed a distance-triggered claw for object retrieval using an ultrasonic sensor and Arduino.
- Oversaw both the mechanical and electrical design of the claw, as well as the Arduino control system.

Self-Designed Rotary Engine, Personal Project

September 2024 – Present

- Conducted in-depth research on the correct theory and principles behind Mazda rotary engines and accurately modeled the design in SolidWorks.
- Developed a fully functional, theory-supported model, 3D printed as a prototype and prepared for manufacturing in metal using lathe and CNC machining.



VOLUNTEER EXPERIENCE

CICSA, Toronto, ON

August 2022 – September 2022

Event Promoter

- Showcased traditional Chinese culture and typography through creative promotions, emphasizing its artistic and historical value.
- Delivered presentations and interactive sessions on Chinese typography, fostering cultural appreciation and audience engagement.

AWARDS

BCS Student's Honor Roll

2022

Army Cadet Service Medal

2023

INTERESTS & ACTIVITIES

- Motorsports – Enthusiast of F1 and WRC, with a strong interest in car modification and engineering innovations in racing.
- Basketball & Fishing – Enjoy staying active and outdoors, with a focus on teamwork and strategy.

