YUNHENG LI

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Education

University of British Columbia - Vancouver, BC — Expected Graduation: April 2027

Bachelor of Applied Science- *Manufacturing Engineering*

Available for 4 months internship beginning of May 2025

International Baccalaureate Diploma — September 2021 – June 2023

Bishop's College School - Sherbrooke, QC — September 2018 – June 2023

Professional Summary

Motivated second-year Manufacturing Engineering student with a strong interest in fluid-flow technology, process optimization, and sustainable solutions. I possess hands-on experience in 3D modeling, SolidWorks, and 3D printing, combined with a passion for improving production efficiency and reducing waste. Eager to contribute my engineering skills to enhance manufacturing processes and collaborate with cross-functional teams in a dynamic, innovation-driven environment.

Skills

- 3D printing
- SolidWorks
- C, C#
- MATLAB, Arduino
- Microsoft Office, Visual Studio
- Basic Circuit tools

Experiences

Assistant Intern Engineering Department — July 2024 – August 2024

Zhuhai Chimelong Group Cooperation *– Zhuhai, Guangdong*

- Assisted in analyzing electricity consumption in the marine life support system, contributing to reduced energy usage and costs.
- Evaluated rust and oxidation issues in the cable car system, including assessments of the humidity control system at station sites.
- Managed organization and sorting of technical files, spreadsheets, and reports.
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Cardboard Chair — October 2024 – November 2024

University of British Columbia

- Collaborated with a team to design and prototype a foldable cardboard chair.
- Led the team in using SolidWorks for modeling and design and oversaw the assembly of the final product.
- Optimized design for material efficiency, weight reduction, and structural strength, ensuring durability and foldability.

Arduino Claw February 2024 – March 2024
University of British Columbia

- Designed and developed a distance-triggered claw mechanism using an ultrasonic sensor and Arduino.
- Led the mechanical, electrical, and control system design for the claw's functionality.

3D Printed Rotary Engine May 2023
Personal Project

- Developed a simplified model of Mazda's rotary engine using Ultimaker and Shapr3D, and successfully 3D printed it for use as a decorative prototype.

Founder of Group February 2023 – May 2023

Sumo Robot Competition *– Sherbrooke, QC*

- Recruited and led a team of 4 for a campus-wide robot competition.
- Directed design, assembly, and testing of the robot, securing 1st place in the competition.

Leader of the Marching Band September 2020 – May 2023

Canadian Army Cadet *– Sherbrooke, QC*

- 4 years of service time
- Assist cooperation of the annual parade ceremony and marching performance

Market Research Team Leader September 2021 – March 2022

Member of the Sea the Home Charity Organization

- Assist in organizing exhibitions and on-campus donations for on-campus garbage collection funds
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Certificates and Awards

- Driver's license
- BCS Student's Honor Roll September 2018- May 2022
- Canadian Army Cadet Four-year Service Medal
- RSEQ 2018 Provincial Rugby Championship
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Languages

- English, French, Chinese