YUNHENG LI

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Education

University of British Columbia - Vancouver, BC ***Bachelor of Applied Science***- *Manufacturing Engineering*

Expected Graduation: April 2027

Skills

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

Technical Experiences

Assistant Intern Engineering Department July 2024 – August 2024

Zhuhai Chimelong Group Cooperation – *Zhuhai, Guangdong*

- Assisted in analyzing electricity consumption with professional engineers in the marine life support system, contributing to reduced energy usage and costs.
- Evaluated rust and oxidation issues in the cable car system through meetings, including assessments of the humidity control system at station sites.
- Managed organization and sorting of technical files, spreadsheets, and reports using Microsoft Excel and Microsoft Words.

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 CAD 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 chips on a breadboard circuit.
- Led the mechanical, electrical, and control system design coded with C 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.
- Built robot with Lego and coded with Arduino software.
- Directed design, assembly, and testing of the robot, securing 1st place in the competition.

Languages

- English, French, Chinese