

Allen Liu

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Summary

Mechanical engineering student focused on applying analytical thinking and system-level reasoning to real-world engineering problems, with an interest in performance, efficiency, and practical design tradeoffs.

Education

Cornell University - Ithaca, NY August 2024 – Present
Bachelor of Science in Mechanical Engineering

Experience

McWane Inc. | Springfield, MO | Engineering Management Intern May 2025 – Present

- Conducted time studies and contributed to value stream mapping, helping improve efficiency by 16%
- Identified workflow inefficiencies both in communication and on the factory floor and suggested improvements that were implemented

Cornell University | Ithaca, NY | Engineering March 2025 – August 2025

Researcher (Bovay Lab)

- Collaborated in high-throughput assembly and disassembly processes, gaining exposure to lean manufacturing and quality control principles
- Assisted in assembling and modifying mechanical components based on CAD drawings and engineering specifications, ensuring functional alignment with design intent

US Army | Ithaca, NY | ROTC Cadet (Army Reserve Officers' Training Corps) August 2024 – Present

- Apply leadership communication to troop leading procedures, symbology, and squad-level tactics
- Perform physical strength and endurance training with a focus on cardiovascular and muscular development

Skills & Languages

- Technical writing, communication, and analytical thinking
- Solidworks
- Microsoft Office: Word, Excel, PowerPoint and Access
- Military Operations and Team Leadership
- Fluent in reading, writing, and speaking Mandarin Chinese