

Allen Liu

Phone: 909-202-2985

Email: AL2593@cornell.edu

LinkedIn: <https://www.linkedin.com/in/allen-liu-027562281/>

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
Researcher (Bovay Lab)**

March 2025 – August 2025

- 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