

Eric Luo

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Education

Cornell University, College of Engineering, Ithaca, NY
Pursuing B.S. in Mechanical and Aerospace Engineering
Glastonbury High School, Glastonbury, CT
High Honor Roll

Expected Graduation: May 2028
GPA: 3.907
May 2024
GPA: 4.729

Experience

Research Assistant, Cornell Biofoundry – Ithaca, NY April 2025 – Present

- Worked with Dr. Wang and postdoctoral fellow Warrick Ma to 3D print custom elastomer ear plugs
- Processed raw 3D scans through Fusion 360 to create printable models
- Refined workflow, halving time required to process models and increasing final model quality

Residential Assistant, Cornell University – Ithaca, NY Aug 2025 – Present

- Facilitated orientation and move-in of over 400 students, providing resources and guidance
- Built connections and established expectations through meetings and one-on-one conversation
- Created monthly programs to further build community and connection
- Resolved conflicts between students through collaborative discussion

Assistant Head Guard Glastonbury Parks and Recreation – Glastonbury, CT May 2024 - Aug 2025

- Coordinated lifeguard team with 2 other head guards, ensuring that full coverage was maintained
- Implemented spreadsheet system for tracking availability, reducing time needed to substitute for absent guards
- Worked closely with town management through daily reports and monthly meetings, planning staff training and policy
- Resolved conflicts, both within the lifeguard team and with the public
- Worked 40 hours each week, ensuring that staffing needs were met
- Worked as a lifeguard for two years prior

Lab Internship, UConn IAC – Storrs, CT May 2023 – July 2023

- Worked with several graduate students and their professor to optimize energy usage for several clients
- Identified that a poor power factor was resulting in as much as \$48k of avoidable fees for one such company, resulting in the largest single source of proposed savings
- Surveyed facility and installed sensors to provide occupation data for various buildings, as well as testing air lines for leaks

Technical Skills

- CAD: Fusion 360, OnShape, Designing for 3D printing
- Statics and Mechanics of Materials, Thermodynamics
- Programming: Java and Python

Soft Skills

- Leadership and Communication: Assistant Head Guard and Residential Advisor
- Meticulous Note-taker: Obsidian and LaTeX
- Fluent in Spanish and Chinese