

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 conversations
 - 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