

# Eric Luo

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## Education

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**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

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**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

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- CAD: Fusion 360, OnShape, Designing for 3D printing
- FDM 3D Printing: Custom and pre-made models
- Statics and Mechanics of Materials

## Soft Skills

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