

Elliot Lim

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OBJECTIVE: Seeking a Summer 2027 engineering internship in product development, prototyping, and multidisciplinary design.

EDUCATION:

Bachelor of Science, Engineering Design

May 2029

Rose-Hulman Institute of Technology - Terre Haute, IN

Relevant Courses: Design & Communication Studio, Societal Impact Design Studio, Circuitry & Software Development, Technical Communication Studio, Introduction to Software Development

SKILLS:

Software: Photoshop, Canva, Premiere Pro, Unity, OnShape, Python, SolidWorks, WIX Web, Figma

Technical: UX/UI Design, Product Design, Prototyping, User Research, User-Centered Design, CAD, Web Development, Social Media Management, 3D Printing

WORK EXPERIENCE:

Rose-Hulman Institute of Technology - Art Curator Assistant:

Sept 2026 – Present

Terre Haute, IN

- Support framing, installation, measurement, and display design for artwork across campus
- Catalog, maintain, and prepare artwork for faculty, staff, and public campus spaces

PROJECTS:

AmoNote - Personal Project

Jan 2026 – Aug 2026

- Developed an AI-powered note-taking app that converts videos and recordings into organized notes
- Designed UX/UI with customizable note formats and timestamped source references through Dieter Rams' design principles
- Iterated on interface layouts, navigation, and feature placement using user feedback to improve usability and visual clarity

Mental Health App - Congressional App Challenge 2023

May 2023 – Sep 2023

- Developed a wellness app supporting users with anxiety and ADHD through user-centered design

Mobile Game Design – Personal Project, Hackathon

Apr 2022 – Aug 2023

- Designed, developed, and published a mobile puzzle-action game on Google Play, reaching 100 players and iterating on gameplay and visual design for usability and engagement

AI Companion Development – Personal Project

Dec 2024 – Aug 2025

- Built a Raspberry Pi 5 conversational AI assistant focused on communication and natural user interaction
- Integrated AI software, hardware, and interface design into a functional prototype

ROSE PROJECTS:

Racecar Tacocat – Competitive Word Game

Mar 2026 – Jun 2026

- Redesigned CAD enclosure to improve electronic spaces, wiring, and assembly
- Prototyped, fabricated, and tested mechanical/electrical components, resolving motor and reliability issues
- Collaborated on an interactive multiplayer game integrating CAD, electronics, hardware, and software

Whiteboard Erasing Robot – Independent Rose Project

Mar 2026 – Jun 2026

- Designed and built a motorized robot to automatically erase whiteboards
- Modeled components in SolidWorks and fabricated and assembled a working prototype
- Iterated through testing and design to optimize the chassis, motor placement, and weight distribution

Buffet o' Puppets – Accessibility Project

Aug 2025 – Nov 2026

- Curated customizable puppets with interchangeable features to encourage creativity in children with physical and mental disabilities
- Designed the aesthetic, rapidly prototyped, and fabricated modular puppet components for hands-on play and customization

LEADERSHIP/VOLUNTEERING EXPERIENCES:

Tri-Valley Community Services (TVCS) - Co-Founder & Lead

2021-2025

St. Elizabeth Seton, Pleasanton, CA

- Co-founded and led community service initiatives, coordinating volunteers, donations, and project logistics for efforts including sports equipment drives, food prep for the homeless, and habitat for humanity builds
- Organized teams across multiple service projects, managing resources and logistics while strengthening volunteer collaboration

Boy Scouts of America - Eagle Scout, Senior Patrol Leader

July 2024

Pleasanton, CA

- Led a team of peers in planning and completing a large-scale community service project to redesign and repaint an elementary school wall-ball area, coordinating with stakeholders and managing project execution from concept through completion

Robotics Team - Student Leader & Mentor

2018-2023

Dreamer's Robotics Club, Pleasanton, CA

- Mentored younger students on robotics and led a robotics team to 1st place at the World Robotics Olympiad (WRO) U.S. Western Nationals

AWARDS:

·Scout BSA - Eagle Scout (2024)

·WRO US Robotics Western Nationals Tournament – 1st Place (2023)