



# Alexandra "Lexi" Lai



## PROFILE

Seeking a university that encourages inquiry across anthropology, design, and architecture. Draws on cross-disciplinary experience in robotics, cultural analysis, and spatial design to explore how environments shape human connection.



## WORK EXPERIENCE

**LOHS Model United Nations (MUN)** June 2022 - PRESENT  
President (2025-present); VP (2024-2025); Treasurer (2023-2024)

- Led team in research, debate preparation, and national-level conference participation. Grew membership by 80+ students.
- Chaired Oregon MUN committee sessions with 30+ delegates, moderating debate and drafting resolutions on international security, human rights, and sustainable development.
- Represented LOHS at the 2024 National High School MUN (New York City), collaborating with 5,000+ students worldwide to negotiate and pass model UN resolutions.
- Directed fundraising initiatives for UNICEF, raising \$2,000 through community events and member-led efforts to support global child welfare.

**Various universities and colleges** June 2025 - PRESENT  
Creator and collaborator on virtual simulation projects

- Identified need for interactive simulations that enhance student engagement. Exploring use cases for universities such as extra-credit opportunities, pilot teaching modules, or long-term course supplements. Developing adaptable modules that require minimal faculty oversight while aligning with course goals.
- Creating interactive virtual simulations using Blender modeling software (self-taught) tailored to anthropology coursework for Pacific University faculty. Designing immersive 3D environments of cultural sites and historical landmarks (e.g., Bastide de la Guillermey in Marseille, France ).

**Architecture Construction Engineering (ACE) Mentor Program** Jan 2025 - PRESENT  
ACE Student Ambassador; Intern, Summer Program Attendee

- Represented Oregon's ACE program as a student ambassador leader (<2% admit) to liaise with 150+ high school ACE participants.
- Architected and created scale models of a hotel as part of the City of Denver, Colorado parking lot redesign at the University of Colorado's ACE Junior Summer Camp (<1% national acceptance rate).
- Collaborated with licensed architects, engineers, and industry professionals to design and present architectural, mechanical, and electrical proposals for the alpine and taiga biomes of the Oregon Zoo biome project.

**FIRST Robotics** June 2022 - PRESENT  
Robotics Co-Captain; Outreach Leader; Team Mentor

- Co-Captain for First Tech Challenge (FTC) robotics team All Hands on Tech, designing and building precision subsystems using AutoCAD Fusion 360, CAM and 3D printing, advancing to international competitions two years in a row.
- Taught robotics, coding, and design to 250+ elementary and middle school students as workshop leader at libraries, community centers, summer camps.
- Grew social media profile by 385% and engaging 800+ followers; secured partnerships and mentorships benefiting hundreds of students; and raised over \$5,000 to support financial equity in student participation.
- Mentored rookie all-girls First Lego League (FLL) robotics team to a local championship and state advancement by teaching robotics fundamentals, guiding research projects, and fostering teamwork and STEM enthusiasm.

## CONTACT

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## EDUCATION

2022 – 2026

**Lake Oswego High School (LOHS)**

2025 – 2026

**Lakeridge High School (LHS)**

2025

**University of Oregon**

- Intro to Cultural Anthropology

2024 - 2025

**Portland Community College**

- Intro to Programming, Oceanography
- AutoCAD Fusion 360 Fundamentals

2023 - 2024

**Portland State University**

- AP Chinese

## SKILLS

- Management (negotiation, critical thinking, leadership)
- Architecture + design (3D modeling) using AutoCAD Fusion 360, Blender, and SketchUp
- Video editing (Camtasia, Capcut, and Adobe Suite)
- Robot design and construction
- Digital marketing & social media management
- Graphic design (Photoshop, Canva)
- Bilingual in Chinese and English

## AWARDS

- National Honor Society
- National Chinese Honor Society
- Rho Kappa National Social Studies Honors Society
- 2025 College Board National Recognition Program
- 2<sup>nd</sup> Degree Black Belt in Taekwondo