

Xiaoyu Luo

New Grad at OSU, <https://www.linkedin.com/in/xiaoyuluo02/>
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EDUCATION

Bachelor of Science, Computer Science

June 2025

Oregon State University, Corvallis, OR

GPA: 3.90/4.0

Related Courses: *Software Engineering, Operating Systems, Data Structure, Analysis of Algorithms, Computer Architectures, Graphics, Animation, Shaders*

SKILLS

Programming Languages: C/C++, Python, C#, HTML/CSS, JS, Java, SQL, Kotlin

Tools & Frameworks: Node.js, Express, Azure, Unity, OpenGL

EXPERIENCE

ColeTech - Early-Stage Start Up

Remote

Software Engineer Intern

Feb. 2025 - Mar. 2025

- Delivered end-to-end web solutions based on clients' needs, accelerating design-to-deployment cycle by 30%

Oregon State University - College of Engineering

Corvallis, OR

Teaching Assistant

Sep. 2024 - Jun. 2025

- Guided students from CS361: Software Engineering with effective communication, boosting the A-grade rate by 15%.
- Guided students through software development lifecycle, requirements analysis, specification, design methodologies. 90% students able to deliver on-time, real-world projects.

PROJECTS

Pharmacy GO Game

Sep. 2024 - Jun. 2025

Team Project, Leader; Unity6, C#, GitHub

- Collaborated in an 8-member team to craft a 2D RPG for Oregon State's Pharmacy curriculum, making students 30% easier in engagement.
- Built a database interface using WinForms on .NET, allowing future professors 90% easier to add questions.

OpenGL Animation and Procedural Generation

Sep. 2024 - Mar. 2025

OpenGL, C++, GLSL

- Architected a procedural terrain-generation pipeline using Perlin/Simplex noise and Voronoi diagrams.
- Designed custom GLSL vertex fragment shaders and tessellation to optimize rendering for interactive frame rates with about 40% speed-up.

Kotlin, Android Studio, API, Jetpack Navigation

Jan. 2024 - Mar. 2024

Kotlin, Android Studio, API, Jetpack Navigation

- Collaborated in a trio to launch a multi-screen app with embedded YouTube API.
- Leveraged Jetpack Navigation to streamline screen flows and persisted user preferences for personalized settings. 10% more convenient to upload a video via a phone.