

# Xiaoyu Luo

Senior Undergrad Student at OSU

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## Education

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**Oregon State University**

*Sep. 2022 – Present*

Bachelor of Science, Computer Science

GPA: 3.92/4.0

Related Courses: *Fundamentals of Software Engineering, Operating Systems, Web Development, Data Structure, Analysis of Algorithms, Computer Architectures*

## SKILLS

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

Languages: English, Mandarin

## Projects

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**Web Application**

*Mar. 2023 – June 2023*

- Developed a full-stack CRUD web application for a music database using Node.js, Express, MongoDB, Mongoose, and JavaScript, implementing RESTful API endpoints and integrating with MongoDB Atlas cloud database.
- Designed user-friendly front-end interfaces with HTML, CSS, and JavaScript, incorporating features like data validation, table display, search functionality, and form-based updates for seamless CRUD operations.
- Ensured robust error handling, input validation, and comprehensive code documentation throughout the project, integrating server-side logic with the front-end for seamless user interactions.

**Student Record Management System**

*Sep. 2023 – Dec. 2023*

- Collaborated with a team of 4 members, following the Scrum methodology to deliver a high-quality software testing process.
- Designed and executed 8 detailed User Acceptance Tests to ensure the system met requirements from the perspective of Product Owner.

**Android Video App**

*Jan. 2024 – March. 2024*

- Collaborated with a team of 3 to develop a multi-screen Android app integrating the YouTube API, featuring video playback and personalized settings.
- Implemented Jetpack Navigation for seamless screen transitions, saved preferences for user preferences, and allowing the usage of video recording and photo capture.