

Yubin Li

<https://www.linkedin.com/in/yubin-li-b91787273/>

Email : li871668578@gmail.com

Mobile : +1-518-724-9308

EDUCATION

University of Washington

Seattle, WA

BS in Computer Science; Dean's List (All Quarters)

Sep. 2024 – Present

- Relevant Coursework: Data Structures and Algorithms, Artificial Intelligence, Computer Vision, System Design, Machine Learning, Computer Security, Linear Algebra

Shoreline Community College

Shoreline, WA

AA in Computer Science; Honors College Student; GPA: 3.93/4.00

Sep. 2022 – Jun. 2024

PROJECT

Auto Squat Counter

May 2025 – August 2025

Python, OpenCV, MediaPipe

- Boosted squat detection accuracy by 15% by redesigning the finite-state machine with dual-threshold logic, 5-frame confirmation delay, and exponential-moving-average smoothing on angle measurements.
- Implemented real-time on-screen feedback and CSV logging features to enhance user experience and data analysis capabilities.

Rhythmix

June 2025 – July 2025

JavaScript, Node.js, Express.js, Gemini API, Firebase, HTML/CSS

- Developed a fully responsive, user-friendly music streaming web app for users to explore, play, and create playlists through an intuitive interface.
- Integrated Gemini API to dynamically generate personalized playlists based on users' mood selections, resulting in a 25% increase in user engagement and average session duration.
- Implemented user authentication and real-time database management using Firebase, ensuring secure storage and synchronization of user-specific playlists and preferences.

RESEARCH EXPERIENCE

Artificial Intelligence Honors Research

Sep. 2023 - June 2024

Shoreline Community College

Shoreline, WA

- Investigated sources and impacts of inherent bias in AI systems, developing a framework for identifying and evaluating potential mitigation strategies.
- Designed computational experiments using Python on the COMPAS dataset to quantify bias and evaluated the effectiveness of techniques like reweighing and adversarial debiasing.
- Co-authored a 20-page paper and presented findings at the UW Undergraduate Research Symposium and Shoreline Community College in collaboration with a faculty mentor.

EXTRACURRICULAR EXPERIENCE

Computer Science Club

May 2023 – June 2024

Shoreline Community College

Vice-President

- Organized quarterly recruitment drives and orientation sessions, increasing active membership by 30% over three academic quarters.
- Collaborated with peers and faculty advisors on club technical projects using Python and Java.
- Spearheaded adoption of Slack for task management, reducing communication latency by 50% and centralizing club resources.
- Mentored 20+ students in algorithms and problem-solving via peer-led tutoring sessions and structured group discussions.

TECHNICAL SKILLS

Programming Languages: Java, Python, C, HTML/CSS, JavaScript/Typescript

Frameworks & Libraries: React, Node.js, Express.js, OpenCV, Numpy, MySQL, Linux

Developer Tools: Git, GitHub, VS Code, PyCharm, IntelliJ IDEA, Eclipse, Vim