

Zhengyang Yu

Curriculum Vitae

San Diego & Bay Area

+1 510 754 7176

✉ zizha.work@outlook.com

🌐 resume.zizhaolaisuimuqu.top

🔗 zizhaolaisuimuqu

in zhengyang-yu-592a19309

More →

Education

- 2025 – Jun **Bachelor of Science in Computer Science**, *University of California, San Diego*, San Diego, CA
2027 Expected Graduation: June 2027
- 2023 – 2025 **Associate of Science in Computer Science**, *Laney College*, Oakland, CA

Projects

- 2023 **Java Snake Game**, *Personal Project*
- Developed a classic console-based Snake game using Java, implementing efficient algorithms for movement, collision detection, and scoring.
 - Utilized object-oriented design principles and version control (Git) to maintain clean, modular code.
- 2024 **Home Assistant Presence Plugin**, *Personal Project*
- Built a Home Assistant plugin detecting real-time room occupancy using entry/exit sensor data.
 - Designed event-driven architecture integrating Python scripts and RESTful APIs for smart lighting automation.
- 2025 **HTML to ePub Converter**, *Personal Project*
- Engineered a converter to transform HTML content into ePub format, implementing scalable parsing and metadata embedding.
 - Enhanced reliability and efficiency through structured error handling and modular component design.

Skills

- Programming Python, Java, C++, C
- Concepts Algorithms, Data Structures, Object-Oriented Design, Software Testing, Debugging
- Tools Git, Docker, VS Code, Linux, Fusion 360, Adobe Creative Suite
- Other Electronics prototyping and fabrication (UCSD Envision Makerspace)

Activities

- 2024–2025 Computer Consultant, Oakland Public Library - Elmhurst Branch
Supported community members with computer troubleshooting and taught basic software skills.
- 2024 Member, Laney College MESA Program
Participated in STEM enrichment workshops, peer collaboration.
- 2025–Present Member, UCSD Envision Makerspace