Erica Huang

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EDUCATION

- **University of California, Los Angeles** - Expected June 2027
- B.A. in Computer Science and Linguistics & B.S. in Cognitive Science (Specialization in Computing) — GPA: 3.92

Coursework:
- Intro to Computer Science, Intro to Computer Organization, Programming for Internet
- Planned Coursework (Winter 2024): Software Construction (CS35L)

PROJECTS

Personal website | Folsom, CA   July 2024 - Present
- Built a personal website from scratch. HTML, JavaScript, CSS, PHP, SQLite
- Integrated interactive features including user authentication, merch page, and blog
- Utilized cookies, PHP sessions, and AJAX for enhanced functionality
- Link to static website: https://kittenluv1.github.io/website/portfolio.html

Performance Lab | Los Angeles, CA   November 2024
- Enhanced program performance by implementing cache access and memory optimization techniques, reducing runtime and improving memory efficiency by a factor of 5x. C++

Revision File Checker | Los Angeles, CA   June 2023
- Developed program to generate a revision file up to 95% smaller than the original, using an optimized hash table with self-checking capabilities.
- Applicable in inventory management and data synchronization. C++

Doom Game | Los Angeles, CA   May 2023
- Created an interactive Doom-style terminal game, featuring self-generating levels, dynamic monster combat, and an adaptive player inventory system.
- Utilized object-oriented programming design to implement a unique player experience with diverse gameplay in each round. C++

WORK EXPERIENCE

UCLA Housing & Hospitality | Los Angeles, CA   October 2024 - Present
Sustainability Assistant
- Processed and analyzed raw data in Excel to create visualizations for deeper analysis
- Created a waste data report to assess campus locations' performance against sustainability targets and identify opportunities for improvement

SKILLS & INTERESTS

- Basic Chinese
- C++, JavaScript, HTML, CSS, PHP, SQLite, R