Joyce Jeoung

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Los Angeles, CA | Open to Relocation (San Francisco, CA)

EDUCATION

University of California, Los Angeles (UCLA), Los Angeles, CA *Expected Jun 2026*
Bachelor of Science in Computer Science, Linguistics, and Cognitive Science
- 3.73 GPA
- Data Structures and Algorithms, Computer Architecture, Operating Systems, Software Construction, Machine Learning

TECHNICAL SKILLS

- **Languages:** Python, TypeScript, JavaScript, C++, Java, SQL, Bash, HTML/CSS
- **Libraries/Frameworks:** React, React Native, Next.js, Node.js, Express, Flask, Tailwind CSS, PyTorch, FFmpeg.js, Mongoose
- **Technologies/Tools:** PostgreSQL, MySQL, MongoDB Atlas (NoSQL), Firebase, Git, GitHub, Linux, Docker, Agile/Scrum

EXPERIENCE

UCLA Bruin Sports Analytics | *match-viewing-dashboard.web.app* **Los Angeles, CA**
Programmer - Men's Tennis Data Analytics Team *Dec 2024 - Present*
- Engineered a high-performance video processing platform in **TypeScript** and **FFmpeg.js** to simplify athlete performance tracking, reducing processing time by 83% with sub-20s latency for extracting clips from multi-hour match footage
- Built early automation pipelines in **Python** and scaled them into browser-based tools, improving scalability and reliability
- Integrated secure, distributed storage with **Firebase**, adding authorization, error handling, and logging for maintainability
- Leveraged **AI-driven** analytics to extract performance metrics, accelerating data collection 20x and aiding predictive modeling
- Refined requirements with coaches and analysts, documenting Agile workflows to deliver scalable, user-focused solutions

UCLA Phi Chi Professional Pre-Medical Society | *uclaphichi.com* **Los Angeles, CA**
Front-End Web Developer *Apr 2024 - Present*
- Built and maintained a responsive WordPress website with custom **HTML/CSS** to connect 300+ pre-medical students to mentorship opportunities, boosting site traffic by 52% and engagement by 40%
- Implemented dynamic event registration and member-exclusive access, boosting site traffic by 52% and engagement by 40%
- Collaborated cross-functionally with student leadership to prioritize **UX**, test features, and ship iterative improvements

PROJECTS | github.com/1004yeeun

Foodie Fam | *github.com/dkmrn/foodie-fam* **Los Angeles, CA**
Project Lead & Software Developer
- Owned end-to-end development of a **full-stack** food app, scaled to help 500+ users find dining companions within six weeks
- Designed an intuitive **React** front-end architecture with validation, loading states, and navigation across 100+ active posts
- Bootstrapped RESTful APIs in **Node.js**/**Express**, enabling 10+ dynamic features, real-time updates, and 1,000+ daily requests
- Deployed **MongoDB Atlas** with authentication + encryption, optimizing secure, scalable performance for 10GB+ weekly traffic
- Practiced Agile development with 50+ GitHub commits, version control, and code reviews to ensure quality and maintainability

Personal Portfolio | *github.com/1004yeeun/personal-portfolio* **Los Angeles, CA**
- Built and deployed a modular, responsive portfolio website with **Next.js**, **React**, and **Tailwind CSS**, ensuring cross-browser compatibility and documenting architecture for future updates

Marble Madness | *github.com/1004yeeun/marble-madness* **Los Angeles, CA**
Computer Programmer
- Programmed a 2D maze-based game in **C++** with 10+ avatars featuring unique roles, behaviors, and scalable difficulty levels
- Applied **object-oriented programming** principles including inheritance, polymorphism, and memory management to optimize system performance and enhance system architecture
- Conducted iterative debugging and testing cycles, improving reliability and delivering stable, user-focused gameplay experience

LEADERSHIP

Cooperation Act | *cooperationact.com* **Fullerton, CA**
Executive Board Officer and Fundraising Strategies Director *Aug 2020 - Jul 2024*
- Directed fundraising strategies across regional branches in California and Texas, raising **$2,337** to support educational resources
- Coordinated global branch meetings, preparing Excel data visualizations to track and communicate milestones with stakeholders