Carlos Daniel Rivera Lao

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EDUCATION

University of Southern California — Aug 2019 - May 2023
B.S. Computer Science, B.A. Linguistics — *Magna Cum Laude*

- **Awards:** Dean's Scholarship (Quarter-Tuition), Academic Achievement Award, Dean's List
- **Organizations:** Phi Beta Kappa Honor Society, Breakthrough Hip-Hop, Musical Theatre Repertory
- **Relevant Coursework:** Software Engineering, Algorithms and Theory of Computing, Principles of Software Development, Data Structures and Object Oriented Design

SKILLS & INTERESTS

Programming Languages: Python, Javascript, HTML/CSS, C/C++, Java, Swift, SQL

Frameworks/Technologies: React/React Native, Firebase, AWS Amplify, OpenCV, Keras

Languages: Bilingual fluency in English and Tagalog, Professional proficiency in Mandarin, Spanish, and American Sign Language

Interests: Full-Stack Development, Computational Linguistics

RECENT PROJECTS

Trojan Check In/Out — Apr 2021
Native iOS Application (Swift, Firebase)

- Collaborated with a team of 5 developers to construct an app for monitoring building capacity during the COVID-19 pandemic
- Designed user interface and implemented authentication, user management, and multimedia upload

Substances and Lived History Repository — Dec 2022
Web Application (HTML, CSS, PHP, SQL)

- Collaborated with a team of 3 developers to create a multimedia repository for the Annenberg School of Communications
- Implemented multimedia post uploads using PHP and spearheaded debugging

University Subleasing — May 2023
Cross-Platform Application (React Native, AWS Amplify)

- Independently designed and constructed an application to facilitate subleasing for university students
- Liased with business partners in biweekly meetings to discuss upcoming sprints

EXPERIENCES

Mentee — Feb 2021 - May 2021
Google Computer Science Research Mentorship Program — *Remote*

- Researched machine learning applications to sign language translation
- Collaborated with a senior mentor at Google in biweekly meetings to discuss research efforts
- Discussed computing research pathways with fellow undergraduates from underrepresented groups

Instructor — May 2020 - Aug 2021
CS@SC Summer Camp — *Los Angeles, CA*

- Taught object-oriented programming concepts to students in elementary through high school
- Supervised and assisted in a hackathon for over 100 participating students
- Implemented curriculum revisions and improvements in coordination with fellow staff and administrators

Student Ambassador — Sep 2019 - Apr 2023
University of Southern California — *Los Angeles, CA*

- Delivered virtual and in-person customer service to prospective students and families
- Led campus tours and admissions presentations tailored to a variety of guests
- Performed various administrative and organizational office tasks