David Esquivel

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EDUCATION

University of Southern California　　　　　　　　　　　　　　　　　　　　May 2025
Los Angeles, CA　　　　　　　　　　　　　　　　　　　　　　　　Computer Science, B.S.
- *Awards*: Dean's Scholar
- *Relevant Coursework:* Principles of Software Development/Internetworking/Algorithms and Design/Computing Theory

PROJECTS, ROLES & EXPERIENCE

Trojan Tech Solutions　　　　　　　　　　　　　　　　　　　　March 2023 - Present
Co-Founder/Tech Consultant
- Serve as the Director of Software Engineering leading technical workshops
- Delivered to two Github repositories primarily building frontends for clients
- Collaborated with two development teams of 4-7 members to deliver websites for clients, creating online presence

Trojantechsolutions.org　　　　　　　　　　　　　　　　　　　*March 2023 - May 2023*
Tech: HTML, CSS
- Assembled an informational "Team" webpage for club using HTML and CSS
- Committed to week-long sprints, allowing for consistent progress checks on designated webpage as well as others

USC Black Arts Collective Website　　　　　　　　　　　　*September 2023 - Present*
Tech: React, NextJS, HTML, Tailwind CSS
- Constructed a UI through React using the NextJS framework
- Designed and implemented 5 .html, .css, and .tsx files for two different endpoints
- Submitted 2 pull requests and engaged in code reviews with Vice President of Technology

Model Internship Portfolio　　　　　　　　　　　　　　November 2022 - December 2022
Backend Developer - Tech: Java, Spring Boot, AWS RDS
- Created partial backend for a model employment service, similar to Handshake, with a team of 5, that listed available internship opportunities
- Scripted Controller, Service, and DAO classes necessary for the Spring Framework flow

Sound Recognition System　　　　　　　　　　　　　　　　January 2021 - March 2021
Researcher - Tech: Raspberry Pi, Python, SQLite, MongoDB, Yagmail
- Implemented a sound recognition system, similar to Shazam, using modified open source code found on Github in order to be compatible with a Raspberry Pi
- Instituted fingerprinting and hashing to recognize tones of a washing machine with SQLite, MongoDB
- Transmitted emails using Yagmail package notifying a user that their clothes was finished washing
- Conducted over 30 tests to verify viability of program

INVOLVEMENT

USC Caruso Catholic Center　　　　　　　　　　　　　　　　August 2023 - Present
Community, Life, and Culture Chair
- Organized 7 social events fostering a tight community in and around USC's Catholic parish
- Head a 25-person Party Planning Committee tasked with developing ideas for social events
- Lead weekly meetings of 3 people to streamline social event planning
- Report to campus ministry executives to ensure delivery of smooth and successful social events

SKILLS: PROFICIENT: C++, Java; **INTERMEDIATE:** Git, HTML, CSS, JS; **NOVICE**: React, NextJS, SQL, Spring Boot, Python, JSON