

David Esquivel

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EDUCATION

University of Southern California

Los Angeles, CA (Cum. GPA: 3.39)

- Awards: Dean's Scholar
- Relevant Coursework: Principles of Software Development/Internetworking/Algorithms and Design/Computing Theory

May 2025

Computer Science, B.S.

PROJECTS, ROLES & EXPERIENCE

Let's Go Camping - Web Application

February 2024 - April 2024

Scrum Master, Full Stack Developer - Tech: Java, ReactJS, Spring Boot, Hibernate, Github, REST APIs

- Directed scrums every other day over the span of 4 sprints (two weeks each) for a 5-person team
- Scripted over 30 files encompassing React components, Java API endpoints, REST API Calls, Cucumber, Jest, and JUnit tests for 3 different pages across the web application
- Engaged in 4 requirements engineering meetings and 4 sprint reviews with client

Trojan Tech Solutions

March 2023 - Present

Co-Founder/Tech Consultant

- Serve as the Director of Software Engineering leading technical workshops
- Uploaded to two Github repositories primarily building frontends for clients
- Collaborated with two development teams of 4-7 members delivering client websites and online presence

USC Black Arts Collective Website

September 2023 - December 2023

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

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 and configured it for Raspberry Pi use
- Instituted fingerprinting and hashing to recognize tones of a washing machine with SQLite, MongoDB
- Transmitted emails using Yagmail package notifying a user that their laundry cycle had finished.
- Conducted over 15 trials across 3 different conditions to verify viability of program.

INVOLVEMENT

USC Caruso Catholic Center

August 2021 - Present

Community, Life, and Culture Chair

August 2023 - May 2023

- Organized 15 social events fostering a tight community in and around USC's Catholic parish
- Coordinated 2 events with upwards of 200+ attendees that enabled excitement within a religious environment
- Headed a 25-person Party Planning Committee tasked with developing ideas for social events

Student Ambassador

August 2021 - Present

- Oversee event logistics in compliance with contractual obligations, strategically handle event preparation and dismantling, assist in food service, and facilitate waste management, meticulously ensuring client satisfaction.
- Efficiently handle incoming phone calls, relay messages, and address inquiries promptly streamlining office operations
- Provide tours highlighting the resources and embracing environment at the USC Caruso Catholic Center.

SKILLS: **PROFICIENT:** Git, C++, Java, JUnit; **INTERMEDIATE:** ReactJS, Spring Boot, Jest, Cucumber; **NOVICE:** NextJS, SQL, Python, JSON