

David Esquivel

Computer Science Student (B.S.) GPA: 3.39

Third-year computer science student studying at the Viterbi School for Engineering at the University of Southern California. Currently expected to graduate May 2025.

EDUCATION

University of Southern California
Los Angeles, CA

August 2021 – Present
Computer Science, B.S.

PAST PROJECTS

Sound Recognition System

January 2021 - March 2021

High School Project (Python)

- Implemented a sound recognition system, similar to that of Shazam, using open source code found on Github that was modified in order to be compatible with a Raspberry Pi.
- The sound recognition system was used to recognize the tone of a washing machine and send an email to a user that their clothes were done drying.
- Learned important debugging, Python, SQL, and hashing skills.

Trojantechsolutions.org

May 2023

Club Project (HTML, CSS)

- I worked on the website for our Student-run Organization at USC, specifically implementing the Team page
- Learned how to properly adjust photos to fit the page
- I am learning the principles of agile development in real time

Intern.io: Model Internship Portfolio

November-December 2022

College Team Project (Java)

- I worked on the backend team for this project which served as a model internship portfolio which listed available internship opportunities
- My duties were creating structured documentation outlining the project, creating and scripting Controller, Service, and DAO classes necessary for the Spring Framework flow
- I learned several new skills such as connecting databases to the backend, writing SQL queries on the backend, and serving web requests.

INVOLVEMENT

Trojan Tech Solutions

May 2023

School Club

- I serve as the Director of Software Engineering for this entrepreneurial club that provides pro-bono business and tech solutions to small businesses around the LA/Southern California area

CONTACT

- 4446 Highland Gate Pkwy
- 678-943-3353
- desquive@usc.edu
- linkedin.com/in/davidesquivel071403
- github.com/desquive

SKILLS

- C++
- Java
- Git
- Python (Novice)
- Data Structures
- Multi-Threaded Programming
- Client and Server Programming
- SQL
- Spring Boot

Personal Skills:

- Conversational Spanish

WORK EXPERIENCE

USC Caruso Catholic Center

Student Ambassador

Los Angeles, CA

October 2021 - Present

Cheddar's Scratch Kitchen

Server

Gainesville, GA

June 2022 - Current

David Kennedy & Associates

PC, Attorneys at Law

Intern

Gainesville, GA

August 2019 - December 2019

RELATED COURSEWORK

- Algorithms and Design
- Principles of Software Development and Engineering
- Calculus III
- Linear Algebra
- Intro to Computing Theory
- Internetworking

OTHER

Awards:

- Dean's Scholar at the University of Southern California