THOMAS MERRITT

Los Angeles, California • thomasolivermerritt@gmail.com • (661) 373 6814

Profiles: https://thomasmerritt.github.io | LinkedIn: in/thomas-merritt | Github: *ThomasMerritt*
Skills: Javascript, Java, Python, Github, HTML, CSS, React, Flutter

EXPERIENCE

TRAPNSTUDIO - Riverside, CA - Software Engineer Intern   **2024**
- Contributed to user permission customization within Vibecue, a software designed for public venues, enabling DJ-controlled queue and voting functionalities for song selection.
- Worked with Firebase's Realtime Database and Spotify's API system to develop quality-of-life user implementations.
- Utilized both front-end/back-end elements to filter data streams of musical titles by their respective genres.

SOLAR CAR TEAM - Web Development   **2024**
- Responsible for creating and maintaining the team's website and online presence.
- Experience with version control using GIT and React JS

HACKATHONS / PROJECTS

UCR ROSEHACK - *Python Application / Raspberry Pi*   **2024**
- Worked with Raspberry Pi to emulate Alexa-like functions to learn about day-to-day information.
- Utilized APIs such as OpenAI, Weather API, etc. to get both general/current information.
- Implements speech-to-text / text-to-speech API to emulate Alexa user interactions.

UCR CUTIEHACK - *Python Application*   **2023**
- Utilized SQLite queries to access and filter data from Chrome history.
- Implements speech-to-text API and GUI for convenient usage.

UCR CUTIEHACK - *Web Application*   **2022**
- Won top 10 (Best Themed Project) out of 600 people.
- Developed an endless tower defense game using main Javascript on Canvas.
- Designed/programmed game mechanics and player interaction flow for the entire app.

PERSONAL WEBSITE - *Web Application*   **2022**
- Illustrated and developed a personal website utilizing JS, CSS, and HTML.
- Devised for full platform support including mobile.

EDUCATION

UNIVERSITY OF CALIFORNIA RIVERSIDE - Riverside, CA
B.S. Computer Science; Cum. GPA: 3.63   **Present**

RELEVANT COURSEWORK

Algorithms & Data Structures, Discrete Math, Computer Architecture, Computer Organization, OOP, Artificial Intelligence, Operating Systems, Automata Theory, Web Development, NLP, Computer Security, Big Data