

THOMAS MERRITT

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Profiles: <https://thomasmerritt.github.io> | LinkedIn: in/thomas-merritt | Github: *ThomasMerritt*

Skills: Javascript, Java, Python, Github, HTML, CSS, React, Flutter, Azure, CosmosDB, Microsoft Dynamics 365

EXPERIENCE

TELECOM INFRASTRUCTURE PARTNERS - London, UK - Software Engineer Intern **PRESENT**

- Developed a Selenium-based web scraping application that automated cell tower data extraction from government websites across Europe, reducing manual data collection by over 200 hours annually.
- Built a full-stack application with Azure Maps, delivering precise insights on cell tower data, enhancing pricing accuracy, improving negotiation outcomes, and driving revenue growth.
- Integrated the application with Microsoft 365 CRM, providing easy access to critical data via map controls, streamlining decision-making processes, and boosting productivity.

TRAPNSTUDIO - Riverside, CA - Software Engineer Intern **2024**

- Contributed to the development of Vibecue, a DJ-driven music software designed to manage and control music queues in public venues.
- Utilized both front-end/back-end elements to develop quality-of-life user implementations; gained exposure to software engineering workflow and environments

HACKATHONS / PROJECTS

HOLLYWHATIF - Full Stack Website **2024**

- Developed a full-stack web application that predicts the impact of adding specific actors to a film on its IMDb rating.
- Utilized Flask to create RESTful API endpoints for handling client requests and integrated Apache Spark to run linear regression models for real-time predictions.

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.

EDUCATION

UNIVERSITY OF CALIFORNIA RIVERSIDE - Riverside, CA

B.S. Computer Science; Cum. GPA: 3.60

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