

Education

University of California - Irvine
Cum laude B.S. in Computer Science

June 2023
3.91 GPA

Technical Skills

Programming: Python, HTML+CSS+JavaScript, C/C++, Java, Shell Scripting
Spark SQL, Neo4J, N1QL/SQL++, MongoDB, Cassandra, PostgreSQL, MySQL

Concepts: Data structures, graph theory & algorithms
Front-end development, accessibility in web applications, microservices
SQL, relational & non-relational databases, information retrieval
Machine learning, neural networks
Operating systems, low-level management, multithreading

Projects

Gesture-based Surrogate Mouse Cursor December 2022

- Designed a web page component with accessibility in mind, translating a user's hand gestures to web page navigation, imitating the functionality of a computer mouse.
- Written in JavaScript and uses Handtrack.js machine learning model to detect gestures.

Spotify Web Browser November 2022

- Handled server-side and client-side JavaScript in order to manage Spotify API calls and to display to the user relevant information.
- Client-side portion built using Angular & Bootstrap, allowing the user to perform search for artists, albums, and tracks, displaying its results in their respective pages.

Time to Sleep: Sleep Improvement App for College Students January - March 2023

- Designed and developed an application to heuristically recommend and improve sleep based on course schedule and tiredness throughout the day.
- Built with Ionic & Angular and deployed as a hybrid mobile app onto a smartphone.

Static Web Crawler January 2022

- Programmed a Python web-crawler to accumulate information on over 30,000 web pages.

Involvement

President & Social Coordinator for Hiking Club at UCI 2022-2023 Academic Year

- Managed and organized over 350 active members for weekly hikes.
- Using Python scripts and Excel spreadsheets, created automation for weekly hike selection, selecting members based on number of available spots and the amount of hikes the members attended.
- Managed club logistics, communications, and the social media space.