

## 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:** SQL, relational & non-relational databases, information retrieval  
Front-end development, accessibility in web applications, microservices  
Machine learning, neural networks  
Operating systems, low-level management, multithreading

## Coursework

### Database Querying

March - June 2023

- Queried a database for a service supporting the exchange of goods and services between users (similar to eBay) to provide solutions to common and complex queries.
- Queried over various database technologies, including PostgreSQL, Cassandra, MongoDB, SQL++, Neo4J, and SparkSQL, some having been cloud-oriented and others run locally.

## 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.

### Time to Sleep: Sleep Improvement App for College Students

January - March 2023

- 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.