

Education

University of California, San Diego, San Diego, CA

Graduating 2024

*Bachelor of Science (B.S.) - Cognitive Science – Machine Learning and Neural Computation
Minors in Computer Science and Design*

GPA: 3.88

Relevant Coursework: Software Engineering, Data Structures, Algorithms, Computer Architecture, Discrete Mathematics, Object-Oriented Design, Software Design Patterns, Web Design, Database Analytics

Work Experience

Neon Law Foundation

Jun 2022 - Present

Intern

Las Vegas, NV

- Developed an open-source web-based data scraping application using Python's BeautifulSoup library
- Automated company's email and retail workflows using the Zapier and Front software platforms
- Maintained 2 dynamically-updating spreadsheets detailing company's service requests and work orders

St. James Episcopal Church

Jun 2019 - Oct 2019

Intern

South Pasadena, CA

- Created 2 spreadsheets to track food inventory of the church's food pantry for the year of 2019
- Proposed and implemented new weekly food distribution quotas in response to past distribution and visitation metrics
- Coordinated and participated in the church's weekly food distributions serving 30 families weekly

USC Keck School of Medicine

Jun 2018 - Aug 2018

Intern

Los Angeles, CA

- Constructed spreadsheets to store academic and graduation-related information of over 24000 USC alumni
- Digitized and updated university's physical alumni information records spanning from 1970 to 2018 using Excel

Software Projects

Zoo Navigation App

Mar 2022 - Jun 2022

- Developed an Android application using Java and Android Studio that allows users to create itineraries for visiting the San Diego Zoo and identifies the shortest route between all designated exhibits
- Integrated persistent data storage using Java's singleton database pattern to preserve user input and routes
- Leveraged dynamic location-updating behavior to change routes based on user's current location
- Abided by Agile development methodology alongside team of 6 software developers
- **Utilized:** Android Studio, Java, Room Library, Google Maps API, SQL

Analytics and Data Visualization Website

Mar 2022 - Jun 2022

- Created a website that collects user interaction data within the site using 4 unique programming languages and presents 4 visualizations of this data in the form of charts and database tables
- Adopted credential-based login system using Passport JS library that presents different analytic dashboard views depending on the admin status of the user
- Leveraged 5 MongoDB databases to store both interaction-based analytics data and user login credentials
- **Utilized:** HTML, CSS, JavaScript, Python, PHP, C, MongoDB, NoSQL, NodeJS, Apache, ZingChart Visualizations

Online Web Scraper

July 2022 - Oct 2022

- Constructed a web-based application using Python that allows users to search for specific queries on the internet and obtain a list of all found websites containing the query.
- Implemented quality-checking behavior using Python's Selenium library to ignore ad-related search results
- **Utilized:** Python, Visual Studio Code, BeautifulSoup Library, Selenium Library

Skills

Languages: Java, C++, C, Python, JavaScript, HTML, CSS, SQL, NoSQL, Visual Basic, PHP, Bash Script

Tools: React, React Native, Linux, Android Studio, Visual Studio Code, BlueJ, Eclipse, GitHub, MongoDB, Figma