

Sergio Hernandez

Van Nuys, CA | ehernandez.sergio@gmail.com | github.com/codewithsergio | https://sergiohernandez.dev/

OBJECTIVE

To obtain an opportunity where I can contribute to software engineering projects using my leadership and technical skills.

TECHNICAL SKILLS

Programming Languages

Java, Python, JavaScript, React.js, Node.js (Express), React Native, SQL, Kotlin, HTML/CSS, C#, MATLAB, Swift

Tools

MySQL, Github, Git, Visual Studio Code, Firebase, Android Studio, Unity, MS Excel

WORK EXPERIENCE

Computational Research Assistant - CSUN Geology Department June 2022 - Jan 2023

- Perform GIS spatial analysis (in QGIS) and quantitative analysis (in Excel and Matlab).
- Produced visualizations, including plot diagrams and images, to support research efforts.

EDUCATION

California State University Northridge (CSUN)

Bachelor in Computer Science & Minor in Mathematics

Degree Expected: June 2023

GPA 3.68

Courses Taken:

- Algorithms and Data Structures, Advanced Algorithms and Data Structures, Intro Software Engineering, Operating Systems, Automata, Senior Design Project
- Calculus I - III, Linear Algebra, Discrete Math, Combinatorial Algorithms

ACHIEVEMENTS

FAANG Coding Club - President Feb. 2021 - June 2022

- Founded a club at my university to enhance interview and class performance by teaching computer science concepts and techniques.
- Led programming workshops and tutorials to assist university students in learning Java and developing their algorithm skills.

CODE FOR A CAUSE Coding Competition - Participant Jan. 21-23 2023

Winning Team

- Led my group in developing a cross platform mobile application for tracking eye drop medication for post-surgery patients.
- Contributed to the design and functionality of the app, resulting in a functional and user-friendly prototype.
- Developed skills in using Github and Git command-line tools, including working with pull requests and merging code.

PROJECTS

- Advisement Sign-In Application
 - Developed an online sign-in sheet to replace pen-and-paper method for the CADV Advising Department at my university, including an admin view of the data with export feature to CSV.
 - Implemented student data security by limiting access to admin Gmail accounts only.
- Project Management System
 - React app to manage and track employee information and task assignments, which allows for the viewing, creation, updating, and deletion of employee records.
 - Includes search functionality to easily locate employees by name, ID, position, or task, using Node.js to make SQL queries to a local MySQL database.
- Hike Tracker
 - React app that allows individuals to easily track and record their hiking experiences, and includes a general chat feature that allows users to connect with other hikers.
 - Utilized Google Authentication for secure login and Firebase's firestore database system to store visited locations.