# Sergio Hernandez

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## OBJECTIVE

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

## TECHNICAL SKILLS

**Programming Languages**
Java, JavaScript, React.js, Node.js (Express), SQL, Kotlin, HTML/CSS, C#, MATLAB, Swift
**Tools**
MySQL, Github, Git, Visual Studio Code, Android Studio, Firebase, Unity, MS Excel

## WORK EXPERIENCE

**Computational Research Assistant - CSUN Geology Department** since June 2022
- Perform GIS spatial analysis (in QGIS) and quantitative analysis (in Excel and Matlab).
- Created plot diagrams and images to visualize data to be used by researchers.
- Configured GPS antennas for geology research in the Los Padres National Forest.

## EDUCATION

**California State University Northridge (CSUN)**
*Bachelor in Computer Science*
*Minor in Mathematics*
Degree Expected: June 2023
GPA 3.69
Courses Taken:
- Algorithms and Data Structures, Advanced Algorithms and Data Structures, Intro Software Engineering, Operating Systems, Automata
- Calculus I - III, Linear Algebra, Discrete Math, Combinatorial Algorithms

**FAANG Coding Club - President** since Feb. 2021
- In the club I created for my university, I prepare students to be able to solve algorithmic problems, and explain in detail important topics such as binary trees and linked lists, resulting in increased student confidence in computer science courses.

**CODE FOR A CAUSE Coding Competition -** Jan. 21-23 2022
- Led my group in developing a website for persons with disabilities.
- Organized the necessary features we would implement and designed the UI with guidance from Northrop Grumman mentors.

## PROJECTS

- Hike Tracker
  - React app that tracks the number of hikes a person has visited.
  - Users log in with Google Authentication.
  - Keep track of visited locations with a database.
  - Includes a chat where users can publicly message.
- Project Management System
  - React app to track employees and their current tasks.
  - View, create, update, and delete employees.
  - Search employee name, id, position or task.
  - Used Node.js to make SQL queries to MySQL database.
- Standard Deviation Calculator
  - Website that takes in a set of numbers, calculates the standard deviation, mean, and median, and lists the steps.
  - Used MathJax to display math equations with LaTex math notation.