

Sergio Hernandez

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EDUCATION

California State University, Northridge

Bachelor of Science in Computer Science, Minor in Mathematics

Northridge, CA

Aug. 2019 – May 2023

EXPERIENCE

Software Development Engineer

Amazon

Irvine, CA

Dec. 2023 – Present

- Developing and designing Object Oriented software to enhance the user interface for grocery product search results on amazon.com and other international domains that have grocery partners such as India and Japan
- Review peers Java and JavaScript code to ensure errors aren't merged and follows good coding standards
- Experience using Git commands such as stash, push, merge, rebase, branch, cherry-pick and squashing
- Collaborating with other teams to ensure deadlines are met and reading documentation to navigate a large codebase

Application Development Intern

Pennymac

Agoura Hills, CA

Jun. 2023 – Aug. 2023

- Developed an input processing program for the finance department that converts an English-like language into Python code and performs operations on a global object called "loan" to update object values
- Implemented the conversion process from Python code into a JSON format for future execution, where CSV data determines the key to store each Python code under

Computational Research Assistant

CSUN Geology Department

Northridge, CA

Jun. 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

ACHIEVEMENTS

FAANG Coding Club

President

Northridge, CA

Feb. 2021 – Jun. 2022

- Founded a club at my university to enhance interview and class performance by leading programming workshops and tutorials on computer science topics such as Binary Trees with Java.

CODE FOR A CAUSE Coding Competition

Winning Team

Jan.21-23 2023

- Led my group in developing a cross-platform mobile application for tracking eye drop medication for post-surgery patients, and practice git skills such as dealing with merge requests.
- Contributed to the design and functionality of the app, resulting in a functional and user-friendly prototype.

PROJECTS

Advisement Sign-In Application | *React, Firebase*

Jan. 2023 – Present

- 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 an export feature to CSV.
- Implemented student data security by limiting access to admin Gmail accounts only.

Project Management System | *React, Node.js, MySQL*

Aug. 2022 – Sept. 2022

- 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.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, HTML/CSS, MATLAB, C#

Frameworks: React, React Native, Node.js

Developer Tools: Git, IntelliJ, VS Code, Firebase, Unity, Postman