

# Sergio Hernandez

[ehernandez.sergio@gmail.com](mailto:ehernandez.sergio@gmail.com) | [linkedin.com/in/sergio-ehernandez/](https://www.linkedin.com/in/sergio-ehernandez/) | [github.com/codewithsergio](https://github.com/codewithsergio) | [sergiohernandez.dev](https://sergiohernandez.dev)

## EDUCATION

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### California State University, Northridge

*Bachelor of Science in Computer Science, Minor in Mathematics*

Northridge, CA

Aug. 2019 – May 2023

## EXPERIENCE

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### Software Development Engineer

*Amazon*

Irvine, CA

Dec. 2023 – Present

- Developing and designing software to enhance the user interface for grocery products
- Work in a fast-paced Agile environment where new services are frequently introduced and deprecated
- Collaborating with other teams to ensure there is no overlap in the implementation of features

### Application Development Intern

*Pennymac*

Agoura Hills, CA

Jun. 2023 – Aug. 2023

- Developed a compiler that will convert an English-like language into Python code using Python
- Created algorithms to efficiently create and search for keys in a JSON file that has the converted Python code

### 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

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### 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

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### 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

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

**Frameworks:** React, React Native, Node.js

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