

# Sergio Hernandez

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

## EDUCATION

---

### California State University, Northridge

Northridge, CA

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

*Aug. 2019 – May 2023*

### Related CourseWork

*California State University, Northridge*

- 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

## EXPERIENCE

---

### Software Development Engineer

Irvine, CA

*Amazon*

*Dec. 2023 – Present*

- Developing software that manipulates the UI for grocery products
- Coordinating with other teams to ensure the correct user experience is achieved
- Creating and approving Code Reviews within my team and external teams

### Application Development Intern

Agoura Hills, CA

*Pennymac*

*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

Northridge, CA

*CSUN Geology Department*

*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

Northridge, CA

*President*

*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, Kotlin, HTML/CSS, C#, MATLAB, Swift

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

**Developer Tools:** Git, Visual Studio Code, Firebase, Android Studio, Unity, MS Excel, Postman