

HERNAN HERNANDEZ

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Education

California State University, Monterey Bay

Bachelor of Science in Computer Science, Software Engineering

May 2022

Seaside, CA

Technical Skills

Languages: Python, Java, HTML/CSS, ReactJS, JavaScript, Swift, C++, SQL

Developer Tools: VS Code, Xcode, Android Studio

Technologies/Frameworks: Github/Git, Unix, mySQL, Docker, PostgreSQL, Django, Flask, Heroku

Relevant Coursework

- Software Engineering
- Software Design
- Internet Programming
- Database Systems
- Data Science
- IOS Programming
- Computer Architecture
- Operating Systems
- Design/Analysis of Algorithms

Experience

MESA Ambassador

September 2019 – June 2020

Academic Intern | Salinas, CA

- Collaborated with a team to support the MESA (Mathematics Engineering Science Achievement) to further engagement in labs and present new opportunities from the program.
- Lead one on one office hours for computer science students.

CSUMB Gear-Up

September 2018 – December 2019

Academic Intern | Seaside, CA

- Assisted in teaching a intro to computer science course, calculus and pre-calculus course.
- Collaborated with interns and mentors to bring an efficient tutoring plan to have more engagement and increase student grades.
- Lead my own tutoring hours for computer science and mathematics courses.

Ag-Tech Intern

June 2019 – August 2019

Software Engineering Intern | Salinas, CA

- Assisted Hartnell Community College to start up a remote harvester for strawberry fields to increase yield per acre.
- Collaborated with team members and mentor on implementing the infrastructure of the project.
- Utilized C++ and OpenCV software library as a development environment in order to implement it on our operating system.

NSF Digital Logic Design

March 2019

Intern | Salinas, CA

- Developed hardware and software using configurable semiconductor logic integrated circuit (FPGA) device with the National Science Foundation.

Pirelli

October 2018

Software Engineer Intern | Marina, CA

- Assisted in collecting data for every tire utilized by vehicles in Pirelli World Challenge race course.
- Collaborated with interns in race control and data collection to see usage rate for Pirelli tires.

Projects

Personal Portfolio | React, HTML, CSS, JavaScript

September 2022

- Created a React website for my personal accomplishments and hosted it with github.
- Utilized React frameworks along with javascript and HTML/CSS to style and make a responsive website.

Parking Application | Python, Java, Django, Android Studio, Docker, PostgreSQL, Heroku

November 2021

- Created an Android application using PostgreSQL, Django, Java and Android Studio to show available parking spaces at school lots.
- Utilized Django REST Framework with PostgreSQL to set up the back-end of the project and tested with Postman.

Gigster E-commerce Website | Node.js, HTML/CSS, SQL, Javascript, Heroku

April 2021

- Created a E-commerce website for users to be able to post their own listings for job services or selling of items.
- Applied Node.js with SQL to create a persistent user profile to be able to post listings and messages.
- Implemented a remote database to convert data in JSON format and utilize it for our website.