

Andres Pedro Hinojosa

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Education

California State University, San Marcos

Bachelor of Science in Computer Science

Overall GPA: 3.65/4 | **In-Major GPA:** 3.76/4

Dean's List: Maintained a GPA of 3.5+ for 4 semesters

San Marcos, CA

Aug. 2020 – May 2024

Relevant Coursework

Computer Science I & II, Data Structures & Algorithms (C++), Computer Architecture, Programming languages, Operating Systems, Deep Learning, Software Engineering

Experience

LAEP Student Trainee | *Python, Pandas*

California State University, San Marcos

November 2023 – Present

San Marcos, CA

- Currently working on a research project where I classify between benign and malicious traffic in IoT devices using **Machine Learning** and **Deep Learning** models.

Projects

Brainwave Matchmaking Application | *Python, Flask, HTML, CSS, Jira*

October 2023 – December 2023

- Implemented a database alongside login, sign-up, and update forms, enabling users to create accounts, edit profiles, and log in securely.
- Utilized the BrainBit SDK in conjunction with a smart EEG Headband to collect and store user's brainwave data as they watch videos.
- Created a user compatibility function utilizing the Euclidean formula to provide matchmaking results based on brainwave data.

Mobile Wardrobe Management Application | *Kotlin, XML, Git, Firebase*

April 2023 – May 2023

- Collaborated in a cross-functional team of six members to develop a closet management app, addressing common clothing-related challenges.
- Played a role in front-end development, incorporating RecyclerView and dynamic scrolling to enhance user experience.
- Utilized back-end technologies such as **Firebase**, WorkManager, and Room for data management and synchronization.

University Registrar Application | *C++*

December 2021

- Developed an interactive menu-based program with **C++** and **Unix**, empowering administrators to perform essential tasks such as student addition, deletion, and viewing with ease.
- Played a role in front-end development, incorporating RecyclerView and dynamic scrolling to enhance user experience.
- Designed a dynamic database system using **OOP** principles to efficiently manage and organize student information, offering seamless accessibility and modification.

Additional Experience

Wait Staff

Silvergate San Marcos

February 2023 – Present

San Marcos, CA

- Provided exceptional customer service in a fast-paced environment, prioritizing user satisfaction.

Grill Cook

Chiptole

July 2021 – February 2022

Escondido, CA

- Demonstrated precision in adhering to food safety and quality standards, highlighting my attention to detail and commitment to delivering reliable outcomes.

Technical Skills

Languages/Frameworks: C++, Python, C#, Kotlin, HTML/CSS, XML, Flask, SQLite3

Developer Tools: Git/GitHub, VS Code, Visual Studio, PyCharm, Jira

Libraries: NumPy, Matplotlib, Pandas, Keras, SciKit Learn

Certifications: Jira Fundamentals Badge