

Alann Tapia

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EDUCATION

B.S. Computer Science and Engineering

University of California, Merced (01/2019 – 12/2022)

Courses: Data Structure | Computer Architecture | Spatial Analysis and Modeling | Algorithm Design and Analysis
Computer Organization | Digital Image Processing | Software Engineering | Human to Computer Interactions
Intro to O.O.P | Introduction to Artificial Intelligence | Database Systems | Distributed Systems

PROJECTS

["Stud Bud" Hackathon Web Application](#)

March 2022

- HTML, CSS, JavaScript, APIs

With a team of 4, we designed and created a web Application that would act like a "Tinder" but instead you match with people you want to study with. Finished within 48 hours, Role: Tech Lead/ Manager

- Full-stack developer & Google Maps API javascript integration
- Learned and applied HTML, CSS, & JS within a short time frame - (48 hours)
- Gathered contestants that were solo and lead the team towards our goals
- Team placed 2nd in Education out of 250 global participants

[Tree Detection Recognition Web Application](#)

January 2022 - May 2022

-Flask, Python , HTML, CSS , JS, AWS Rekognition, Computer Vision, Machine Learning

We (Team of 5) built a web app that detects, counts, and displays the location of each tree detected in a video, it then organizes and displays useful information to the user as a table/map.

- Responsible for training the AWS custom label model resulting in 99% tree detection accuracy
- Wrote python scripts for back-end, and for using the trained model on any computer with AWS credentials.
- Used python and flask framework to combine with front-end (HTML, CSS, JS)
- Improved software by designing and performing test strategies. (Internal, Unit, Application, and Stress Tests)

[Android Development Tree Database Application](#)

August 2022 - December 2022

- Android Studio, Java, XML, App Development, FIGMA, Sqlite3

Built an android application that would take in new users, and allow users to fill large data entries about trees.

- Developed Android Application using java, XML, and Sqlite3
- Integrated database to android application allowing all data to be inserted, updated, deleted, and filtered in Sqlite3.
- Completed and deployed android application to physical phone for application stress-testing

SKILLS

Programming Languages: C/C++, Java, JavaScript, HTML, CSS, Python, MATLAB, Flask, XML, SQL, Sqlite3

Technologies: Git, Github, Docker, AWS, Linux, Windows, Android Studio, FIGMA, Visual Studio, Arduino

AWARDS

UCM Dean's Honor List

08/2020

Semester overall 3.5 GPA or above

UCM Chancellor's Honor List

01/2021

Consecutive Dean's Honor list

UCM Dean's Honor List

10/2021

Semester overall 3.5 GPA or above

HackMerced VII Contestant 2nd Place Winner

03/2022

Attended and won at San Joaquin Valley's biggest Hackathon. Role: Project lead/Manager