Sofia Ortega

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EDUCATION

2020 – 2024	**Texas A&M University:** Class of '24. Computer Engineering. Math Minor

EXPERIENCE

Summer '23	**Software Developer Internship at Pariveda**
	· Created sonic pipeline web app achieving real-time identification of bird species every 3 seconds.
	· Used google cloud and parallel data processing methods to improve runtime by **99.95%**.
	· Devised end-to-end development, from frontend uploads, to custom google cloud functions, to database.
	· Application used by 1000+ Users in 100+ different locations.
	· Utilized Angular, Node.js, Google Cloud, mySQL, and Typescript.
Summer '22	**Software Developer Internship at Text-em-all**
	· Pitched and created the most requested feature by users, "Text to Speech".
	· Reworked UI of page seen by 3000+ daily users, optimizing the user flow and removing visual clutter.
	· Gained industry experience with a heavy emphasis on creating clean code, unit tests, and clean UI design.
	· Utilized React.js, Node.js, Redux, Jest.js, and Material-UI.
Fall '22 - Now	**Computer Science Teacher Assistant**
	· Teach Data Structure and Algorithms in C++ in lab and office hours to reinforce topics taught in lecture.
	· Requires excellent understanding of C++, great debugging skills, and outstanding communication.
	· Changed the typical lecture to a Q&A style for Reviews on Sundays resulting in a **250%** attendance increase.
	· Pioneered first review video series, currently at **4000+** views, resulting in improved student confidence.

LEADERSHIP

Spring '23 - Now	**President of Aggie Coding Club**
	· Leader overseeing 15 officers and coordinating the biggest college coding club in the U.S.
	· Pioneered strategic company outreach resulting in **$10,000+** sponsorship revenue.
	· Adeptly employed leadership, organizational prowess, and relentless determination to drive club's success.
Fall '21 – Fall '23	**Workshop Officer at Aggie Coding Club**
	· Created weekly workshops on diverse coding topics to teach an average of 100 students.
	· Encouraged departure from the traditional lecture style workshop resulting in a **300%** attendance boost.
	· Initiated workshop preparations months in advance, deviating from the norm of last-minute preparations.
	· Created workshops include Git, React.js, Get a Software Job, HTML, Debugging.

PERSONAL PROJECTS

Spring '22 - Now	**Aggie Coding Club Website**
	· Redesigned entire ACC website to follow good design principles and give seamless story flow for site visitors.
	· Coded the initial website revamp in vanilla HTML, later transitioning to React.js for dynamic content delivery.
	· Heavily cleaned up code base and with an emphasis on clean code and readability for future developers.
	· **https://aggiecodingclub.com/**
Spring '21	**Gesture**
	· Aggie Coding Club Project to create Desktop application to control computer using hand gestures.
	· Co-Project Manager: Created frontend UI and tested backend while leading 10 students.
	· Utilized React.js, Node.js, OpenCV, Python
	· **https://github.com/aggie-coding-club/Gesture**

SKILLS

	Advanced: React, C++, Python, Node.js, Git, mySQL
	Intermediate: Express.js, Redux
	Previously Learnt: Java, MongoDB