Josue (Josh) Gallardo

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Education

San Marcos State University San Marcos, CA Aug. 2021 – Dec. 2022
B.S. in Computer Science

Southwestern Community College Chula Vista, CA Aug.2017 – Dec.2021
Associates in Arts and Science in Computer Science

Technical Skills

Languages: Python, C++, JavaScript, HTML/CSS, PHP, C#

Frameworks: Django, Flask, React, jQuery, Bootstrap

Databases: SQL, PostgreSQL, MySQL

Cloud Computing: AWS, Docker, Jetkins, Kubernetes, Maven

Tools: Github, VSCode, MobaXterm, MAMP

Experience

Student Assistant Feb. 2022 – May. 2022

San Marcos State University – 233 S Twin Oaks Valley RD, San Marcos, CA, 92096

- Responsible for grading students' code written in Python, F#, and Prolog and providing feedback based on quality programming.
- Provide possible solution paths for code that contained small bugs, as well as possible ideas of how to approach a coding problem based on assignment difficulty.
- Grade homework assignments every week; always reaching out to professor Y. Jiang whenever an assignment has been graded or for any other grading question I had.

Independent Projects

Ecommerce- Clothing Website | *Django, Flask, Bootstrap, JS* Jan. 2022 – Present

- Fully responsive e-commerce clothing website that allows the user to browse for clothing products. Grabbed a front-end template and implemented all back-end features using Django such as registering users, items in the shopping cart, account administrator, etc...

RFID Door Lock System Simulator | *C++, C#, NUCLEO F401RE, Mbed Studio* OCT 2022 – DEC 2022

- Created a RFID door lock simulator using a NUCLEO F401RE microcontroller, an RC522 RFID sensor, two Servo motors, and C++/C for high level programming. In program, user had three options, to register new RFID tag/card, swipe registered card, and deleting card from database.
- Code will determine whether the swiped card would grant access by checking for lower-level card credential. If access granted, servos would turn 90 degrees to portray access granted as well as green LED light up.

CSUSM Blog | *PHP, MySQL, JS, HTML, CSS , MAMP* OCT. 2022 – DEC 2022

- Fully responsive blog system created mainly in PHP with 3 different pages; home page resembles all of the blogs in database of that particular user, a single page view with more in detailed information about a specific blog post, a page form to publish a new blog post, and finally a page for user authentication. Simple blog project with the purpose of using MAMP server provider and involving PHP into a JavaScript application.

Sudoku Solver | *Python* OCT. 2021 – DEC. 2021

- Created a python backtracking program that solves any sudoku problem regardless of difficulty.
- Mainly to practice data structure skills, which involved the usage of recursive functions, 2D array tracking, and nested for loops.

References

	Relationship
Jerod Culpepper – DevOps Engineer Cpepper96@gmail.com	CSUSM MENTORSHIP PROGRAM
Halloran Marianne – Data Scientist and Automator Marianned.halloran@roche.com	CSUSM MENTORSHIP PROGRAM
Yuanyuan Jiang (Yuan) – Computer Science Professor at CSUSM yjiang@csusm.edu	STUDENT ASSISTANT