MARIE WOLFEL

Software Engineer

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WORK EXPERIENCE

University of California, Riverside — Grader

January 2023 - Present
- ❖ Grader for course: Machine Organization & Assembly Language Programming, CS 061
- ❖ Evaluate student performance during lab demos, offering insights for their improvement
- ❖ Dedicate 2-4 office hours per week to assist students
- ❖ Administer and monitor midterm/final exams

Stellantis — Software Driven Experience Intern

June 2023 - August 2023
- ❖ Analyzed key performance indicators (KPIs) and developed software solutions in JavaScript
- ❖ Contributed to the creation and integration of connected services using AWS and DynamoDB
- ❖ Adhered to established software development processes throughout the project lifecycle, creating multiple pages of documentation for the team in the process

PROJECTS

NotE: Person-Following Autonomous Shopping Cart

➧ Developed a prototype smart shopping cart capable of following a specific user and identifying objects placed in the cart. Used Jetson Nanos for GPU-accelerated real time person detection, identification, and tracking, and an Arduino for precise motor control and navigation.

Attendance Tracking System

➧ Created a fingerprint and facial recognition attendance system using a Raspberry Pi and PYNQ Z2 board with accelerated image preprocessing.

Guitarduino

➧ An Arduino project mimicking Guitar Hero, featuring a round-robin scheduler written in C.

Starting Today

➧ Developed a homework and time management app for students using Flutter, FlutterFlow, and Firebase. Syncs tasks with Google Calendar and Canvas LMS and assigns work to do.

EDUCATION

University of California, Riverside

Sep. 2022 - June 2024
B.S. - Computer Science (GPA: 3.90)
- ❖ Magna Cum Laude
- ❖ Chancellor's Honors List
- ❖ Dean's Honors List, 4 quarters
- ❖ University Honors Program
- ❖ Honda Honors Scholarship

Ventura College

Sep. 2020 - May 2022
A.S. - Mathematics (GPA: 3.77)
- ❖ Academic Honors Graduate
- ❖ Dean's List (2 semesters)

SKILLS

Technical

➧ Python	➧ C++
➧ Assembly	➧ C
➧ GPU Computing	➧ OOP
➧ Embedded Systems	➧ Git
➧ Edge Computing	➧ Linux, Ubuntu

People Skills

➧ Teamwork	➧ Leadership
➧ Communication	➧ Collaboration

LEADERSHIP

Pizza, Chief, Ventura – Supervisor

Nov. 2018 - Sep. 2022
- ❖ Provided training and essential skills for 10+ employees
- ❖ Organized and handled restaurant operations

Camarillo, CA (KCMA) – GA Pilot

Aug. 2020 - Present
- ❖ Private Pilot's License (PPL)
- ❖ Maintain safety of flight; Handle radio communications and coordinate with towers
- ❖ Plan flights in consideration of optimal fuel, weather, etc.