Angelo Nolasco

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Objective Statement

4+ years of C++, 1+ year of Python, and 3+ years in embedded systems using C and Linux, seeking a role in Software or Embedded Software Engineering.

EDUCATION

University of Nevada, Las Vegas

Bachelor of Science in Computer Engineering 12/2023

Honors: Dean's Honor List Fall 2023

Certifications: Meta Front-End Developer Professional

Skills

Software Languages: C++, C, Python ,HTML, CSS, Assembly(RISC-V,MIPS,AVR) Javascript, VHDL,Verilog, SystemVerilog

Tools & Platforms: Microchip Studio - Arduino Ide - RTOS - LTspice - Quartus Prime - ModelSim - KiCad

WORK EXPERIENCE

Front Desk Agent May 2024 - Present

Harrahs, Las Vegas,NV

- Managed 50+ daily check-ins and resolved 10–15 guest issues using LMS to streamline reservations, room assignments, and issue tracking, ensuring a seamless guest experience.
- Troubleshoot and repair kiosk hardware components, including printers, key encoders, and ID readers, to ensure reliable functionality for guest check-in.
- Automated data transfer and formatting, reducing processing time from **10 minutes to 1 minute** or less

Projects

Smart Shower Head – Senior Design | Team of 4 View Project

- Built a **Smart Shower Head system** enabling users to monitor water usage, temperature, and flow rate, stream music via Spotify, and view real-time data on an LCD and mobile app using Raspberry Pi and Google Firebase.
- Programmed the temperature sensor and LCD on a Raspberry Pi using Python and contributed to the Android mobile app by designing graphs for temperature and water usage and creating the temperature tab in Flutter.
- Technologies Used:Raspberry Pi 4,Flutter, Alan AI, GitHub, Google firebase, VScode

Weather Website - Python Website

- Created a user-friendly interface for a weather website using HTML, CSS, and Flask, which streamlined navigation and improved user access to current conditions; the tool is now utilized by over 1,000 regular users for daily updates.
- Integrated the OpenWeatherMap API seamlessly into the project, enabling users to retrieve accurate weather information, including temperature, wind speed, pressure, humidity, and "feels like" temperature, for over **200,000 cities worldwide**, enhancing the website's utility and global reach.
- Technologies Used: Python, Html/CSS, Flask

Four Task – Advanced Embedded System View Project

- Designed and implemented four concurrent tasks on a CC1352 TIRTOS microcontroller using embedded C, optimizing resource usage for seamless task execution every **15 minutes** to ensure timely data processing and meet system operational requirements.
- Developed a timer mechanism to dynamically allocate resources for a fifth task at 1ms intervals, enabling precise multitasking and real-time system responsiveness.
- Technologies Used: CC1352 TIRTOS microcontroller, Code Composer Studio, C