Angelo Nolasco

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EDUCATION

University of Nevada, Las Vegas

Bachelor of Science in Computer Engineering Dec 2023

Honors: Dean's Honor List Fall 2023

RELEVANT COURSEWORK

Data Structure, Advanced Embedded System Design, Mobile Robotics, Internet Of Thing Systems, Computer Communication Network, Embedded Security and Machine Learning

Skills

Software Languages: C - C++ - Assembly(RISC-V,MIPS,AVR) - Python
Software Tools: Visual Studio - Oracle VM VirtualBox - Git/GitHub
Hardware Languages : C - VHDL - Verilog - SystemVerilog - Python
Hardware Tools: Microchip Studio - Arduino Ide - RTOS - Code Composer Studio - STM32 IDE - LTspice - Quartus Prime - ModelSim - KiCad

WORK EXPERIENCE

Team Member May 2023 - Aug 2023

DelTaco, Las Vegas,NV

- Utilized my strong communication and problem-solving skills to take orders and prep for an average of 15 customers daily
- Developed strong customer service and product knowledge skills to enhance individual and team performance.

Projects

Weather website Website

- Designed a weather website using the OpenWeatherMap API allowing the user to enter a city resulting in showing weather information(temperature,wind,humidity,pressure)
- Extracted the result from the API allowing the users to see the information each time they enter a city
- Utilized: Python, Flask, HTML/CSS, Git, OpenWeatherMap API

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

- Designed a shower head implemented using 2 Raspberry PI and VScode allowing the users to see how much water they waste, water flow, temperature and integrated Spotify
- Extracted the result from Google firebase to display on an LCD and the app
- Developed an Android app implemented on VScode using flutter framework and written in dart resulting in allowing the user to see water used, flow of the water, the temperature and graphs
- Utilized:Raspberry Pi 4,Flutter, Alan AI, GitHub, Google firebase, VScode

Four Task – Advanced Embedded System View Project

- Design four tasks implemented on a CC1352 TIRTOS microcontroller written in embedded C resulting in three of the tasks to be executed every 15m, involved blinking LED, UART display, PWM and ADC value.
- Developed a timer that at every 1ms a 5th instance is added to do a task
- Utilized: CC1352 TIRTOS microcontroller, Code Composer Studio

Noise Detector– Circuit II Lab View Project

- Designed a noise detector implemented on LTSpice showing the noise level on LTSpice graph
- Implemented the LTSpice design on breadboard resulting the LED noise level to determine different level(red:no noise, steady green: high noise, flashing green: medium noise, low green: low noise)
- Utilized: LTSpice, Breadboard, Green LED, Red LED, voltage, resistor, capacitor, op-amp