**Kaung Nyi Naing**

Orange, California 92865

(657) 282‑8939

[kaungnyin@cpp.edu](mailto:kaungnyin@cpp.edu)

**education**

Pomona CA, Bachelor of Science, Computer Engineering Major, GPA 3.98, 2026

California State Polytechnic University, Pomona– 3.98

**technical skills and programming languages**

|  |  |  |
| --- | --- | --- |
| * Python, C, C++, C#, Assembly | * Windows PowerShell, Linux Bash, | * Multimeter, Oscilloscope |
| * NI Multisim, OrCAD PSpice | * MATLAB, Altium PCB Designer | * 74LS Series Logic Design |
| * Arduino Microcontrollers | * Artix-7 FPGA | * PIC18F Microcontrollers |

**academic projects**

|  |  |
| --- | --- |
|  |  |
| Team Leader | February 2023 - May 2024 |

|  |  |
| --- | --- |
|  |  |
| Soccer Bot, CPP Robotics Club | |

* Headed construction and testing of an RC car with four-wheel drive and variable speed capability.
* Devised an Arduino program that interprets radio signals for motor controls and LED speed indications.
* Collaborated in the campus wide Soccer Bot Tournament with project leaders.

|  |  |
| --- | --- |
|  |  |
| Lab Assistant | February 2024 - May 2024 |

|  |  |
| --- | --- |
|  |  |
| State Variable Filter, Electric Circuit Analysis Lab | |

* Calculated transfer functions and quality factor of a three-state variable filter.
* Simulated the design leveraging PSpice and created a PCB filter design using Altium.
* Implemented the design using three operational amplifiers along with various resistors and capacitors.
* Measured the center frequency and proved the state variability of the filter.

|  |  |
| --- | --- |
|  |  |
| Team Leader | August 2024 - Present |

|  |  |
| --- | --- |
|  |  |
| Traffic Signal Controller, PIC18F4620 project | |

* Designed a program that performs a traffic signal sequence consisting of day, night and maintenance modes.
* Implemented switches and buttons as inputs using conditional and unconditional I/O techniques to detect left turn lane traffic and pedestrians.
* Displayed traffic signals using RGB LEDs, count down times using 7-segment displays, and all information including traffic signals and count down times using a colored LCD screen.
* Deployed multi-file programming in C to improve coding and debugging efficiency.

**experience**

|  |  |
| --- | --- |
|  |  |
| IT Support Specialist | June 2022 - Present |

Lee Starloop IT, Irvine, CA

* Maintaining, managing, and configuring computers using Remote Desktop Protocol for 3 fleets of computers designated for one clinical research center and two business centers.
* Resolving hardware and software issues for computers, printers and Wi-Fi networks through remote support, and on-site visits while collaborating with team members and clients.
* Refurbishing and deploying 5 to 10 used and new enterprise and commercial computers per week utilizing Acronis disk cloning software.
* Controlling computer domains using Windows Active Directory and Bitdefender Cybersecurity Software.
* Automating routine checks and data analysis leveraging Windows batch, PowerShell and Python scripts resulting in improved preventative operations.