**Kaung Nyi Naing**

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**education**

Bachelor of Science in Computer Engineering, GPA 3.98

California State Polytechnic University, Pomona

**technical skills and programming languages**

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| * **Digital & Analog Electronics:** 74LS Logic Design, Signal Processing, State Variable Filters |
| * **Electrical Tools & Equipment:** Oscilloscope, Multimeter, Power Supply Units |
| * **Circuit Design & Simulation:** NI Multisim, OrCAD PSpice, Altium Designer, MATLAB |
| * **Programming & Embedded Systems:** C, C++, Python, Assembly, Arduino, PIC18F Microcontrollers |

**academic projects**

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

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| 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.

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| **Electrical Design & Testing Assistant** | February 2024 - May 2024 |

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| 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.

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| **Electrical & Embedded Systems Lead** | August 2024 – December 2024 |

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| 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**

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| **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.