**Kaung Nyi Naing**

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**objective**

Seeking an internship that will provide computer engineering experience with computer logic, hardware and software level programming, and computer integration with emphasis on microcontrollers and FPGA.

**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**

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| * 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**

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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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| Lab Assistant | May 2024 - May 2024 |

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| Electric Circuit Analysis Lab, State Variable Filter | |

* 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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| Team Leader | August 2024 - September 2024 |

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| Arithmetic Logic Controller Using PIC18F4620 in Assembly | |

* Designed assembly program that allows eight different arithmetic operations to be performed
* Implemented switches for three-bit operation selection and two four-bit inputs along with an array of RGB LEDs to indicate the input and output activities as well as logical status flags
* Assembled the program using MPLAB X MPASM assembler as well as the PICKIT 5 programming tool

**experience**

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| CA 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.