

Aung Pyae (Earnest) Phyo

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Portfolio - earnestl.github.io/Portfolio_Website/

EDUCATION

University of California, Berkeley

B.S Electrical Engineering and Computer Science

GPA: 3.55

Berkeley, CA

08/2023 - 2025

Ohlone College

Engineering Transfer

GPA: 3.9

Fremont, CA

08/2020 - 05/2022

PROFESSIONAL SKILLSET

- **Technical Skills:** C, C++, Python, KiCAD, PIC microcontroller, Beckhoff/TwinCAT 3
- **Languages:** Fluent in English and Burmese

PROFESSIONAL EXPERIENCE

Genentech

MPLS Lab Technician

SSF, CA

03/2023 - 10/2023

- Operate ovens, washers, and autoclaves in accordance with non-impact GMP regulations
- Progress in continuous improvements utilizing LEAN methodologies.
- Reassess and/or put together IPs and OJTs for an in-progress Centralized Services team.

Tesla

Equipment Maintenance Engineering Intern

Fremont, CA

06/2022 - 09/2022

- Established preventive maintenance procedures for manufacturing equipment.
- Sorted and documented parts of obsolete machine to be repurposed as spares for those in current use.
- Commenced implementation of a temperature monitoring system in power cabinets through which programmed alarms will be incorporated and data for adequate cooling will be yielded.

PROJECTS

Digitized Record Player Replica

- Developed schematic of record player replica which plays digitized music from an sd card
- Programmed PIC mcu and employed a variety of technologies such as PWM, UART, & comparators
- Drew functional schematic for preceding PCB fabrication

Heart Rate Monitor Watch

- Designed electrical system for a compact, effective, and wearable device.
- Utilized arduino microcontroller and a pulse sensor to achieve reliable monitoring of heart rate.
- Achieved dependable monitoring accuracy relative to that of apple watch.

ACTIVITIES & LEADERSHIP

Ohlone College

Secretary of Ohlone Engineering Society

Fremont, CA

08/2021 - 05/2022

- Provisional head of events and coordinator of time slots and deadlines.
- Provided and coordinated information on forthcoming events to the President and Vice President for inclusion in meeting notes, event deadlines or electronic distribution lists.
- Worked with the Treasury to fill out the necessary information for ICC documentation
- Led engineering projects in both technical aspects and logistics