KAUNG KHANT (KEN)

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SUMMARY

I am a dedicated and driven individual with an Associate's degree from Pasadena City College, currently advancing my education by pursuing a Bachelor's degree in **Electrical Engineering** with the **Electronic Circuits and Systems Depth** at the **UC San Diego(UCSD)**.

EDUCATION

Pasadena City College (2022 - 2024)
Associate in Science Degree ,Electrical Engineering Emphasis (AS), Mathematic (AS-T), Physic (AS-T), Social and behaviorl Sciences (AA)

University of California (UCSD) (2024 - 2026)
Bachalor in Electrical Engineering

Professional Experience

Triton Robotic (Robomaster competition) 2024 - present
UC San Diego (San Diego, CA)

- Designed and implemented electronic components for competitive robots
- Designing the circuit in EASYEDA
- Collaborated with team members to troubleshoot circuitry and improve system efficiency

EnVision (Art & Engineering Maker Studio) 2024 - 2025
UC San Diego (San Diego, CA)

- Assist student with Laser Cutting, 3D printing with purse, and surface and through hole soldering
- Supervising the maker space

Lancer Lumineers | Underwater Robotic Team(MATE ROV) 2024 - 2024
Pasadena City College (Pasadena, CA)

- Solid work and 3D printing
- Design the robot through solid work, wiring ,and testing continuity of the circuit

Projects & Skills

NASA MIND 2025 - present
Innovative New Designs for Space (INDS) (NASA MINDS)

- Designed and prototyped an autonomous inspection micro-robot for space habitat maintenance, integrating embedded systems, sensors, and motor control for microgravity
- Led mechanical CAD design in SolidWorks/Onshape for chassis and component layout, optimizing size and weight distribution

Cal Tran Hovermap Bot 2025 - present

- Led mechanical CAD and electrical systems for a Hovermap LiDAR inspection robot, optimizing chassis design, payload capacity (30+ lbs), and maneuverability in confined spaces.
- Developed embedded motor control, power distribution, and sensor fusion to meet Caltran requirement.

Scholarship & Award

PCC Foundation Scholarship Award
Lancer For Life

Robert Westerbeck Scholarship
Robert and Adrienne Westerbeck

Honor Scholarship Award
Pasadena City College Honor Program