

Kenneth Nim

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EDUCATION

UNIVERSITY OF CALIFORNIA, IRVINE

Irvine, CA

Bachelor of Science, Mechanical Engineering

June 2027

Relevant Coursework: Statics, Engineering Thermodynamics, Dynamics, Fluid Dynamics, Mechanics of Structures, Materials and Structures, Control Systems, Mechanical Systems, Electric Circuits

PROFESSIONAL EXPERIENCE

Ames Machine, Torrance, CA

JUNE 2025 - SEPTEMBER 2025

MANUFACTURING ENGINEERING INTERN

- Assembled and inspected manufactured components while following safety, quality, and production standards.
- Recorded and tracked production data to support on-time completion of orders and prevent delays.
- Identified defects and performed corrective actions to meet desired quality requirements.
- Used Enterprise inventory software to track materials and maintain accurate documentation.
- Prepared and verified shipments, ensuring documentation and certifications were complete and accurate.

PROJECT EXPERIENCE

Legacy Robotics

SEPTEMBER 2025 - Present

MANUFACTURING TEAM MEMBER

- Collaborate with subteams to manufacture aluminum, carbon fiber, and 3D-printed nylon components.
- Operate machining tools, including Haas CNC, Haas lathe, manual lathe, brake, and laser cutter.
- Design CAD models in SolidWorks and apply Fusion 360 CAM to prepare parts for CNC manufacturing.
- Attend weekly meetings to align design intent, manufacturing processes, and rover assembly objectives.

UC Irvine Chem-E Car Project

JUNE 2025 - Present

MECHANICAL TEAM MEMBER

- Designed and integrated mechanical systems including the chassis, powertrain, reaction chambers, and battery enclosures using SolidWorks and 3D printing.
- Collaborated with subteams to develop housings for reaction systems and incorporate their designs into the car.
- Coordinated with the electrical team to account for wiring layouts, PCB placement, and motor integration.
- Gained experience in design, prototyping, and cross-team collaboration for a competition-ready vehicle.

Peterworks Drone Project

MARCH 2025 - June 2025

LEAD MECHANICAL ENGINEER

- Led SolidWorks design of drone frame, housing units, landing legs, blade guards, and motor mounts.
- Selected 5-inch propellers and 1500 KV motors for balanced stability, speed, and torque.
- Fabricated parts through laser cutting and 3D printing; fixed misalignments by revising CAD models.

LEADERSHIP & INVOLVEMENT

Kappa Sigma Treasurer

DECEMBER 2025 - PRESENT

- Manage a \$20,000 annual budget for a 72-member organization, overseeing event funding and chapter invoices.
- Enforce policies by setting payment deadlines, holding members accountable, and negotiating payment plans.
- Rebuilt the chapter's financial system using Google Sheets to track payments, budgets, and cash flow.

CERTIFICATIONS & SKILLS

CSWA in SolidWork, SolidWorks, MATLAB, Microsoft Excel, Soldering, Global Shop Solutions, Sandblasting, Mechanical Fabrication, 3D Printing, Fusion 360, CNC Machining

AWARDS & HONORS

Dean's List (4 Quarters)