Mois Cohen, EIT

(858) 668-9347 | mois.cohen787@gmail.com | linkedin.com/in/moiscohen | moiscohen.com

Mechanical Engineer, EIT, with hands-on experience in product design, validation testing, and system optimization. Proven ability to improve manufacturability, reduce costs, and accelerate development in startup and corporate environments. Seeking R&D and product development roles valuing technical design and cross-functional teams.

EDUCATION

B.S. Mechanical Engineering | California Polytechnic State University, San Luis Obispo
September 2021 - June 2025

PROFESSIONAL EXPERIENCE

Innoflight

Mechanical Engineer I, November 2025 - Present

- Eliminated human error and enabled high-volume repeatable testing by designing a suite of acceptance test fixtures for external circuit board manufacturers reducing post delivery errors
- Mentored new engineering staff on internal systems and tools, and instructed on core engineering principles
- Designed modular test system for hardware validation enabling standardized testing for engineering departments
- Support cross-functional hardware and software engineering teams by advising on mechanical feasibility for launch and orbital environments, designing mounting solutions, and coordinating board repairs with external vendors
- Led revision audit of dozens of flight hardware drawings ahead of new satellite avionics build, identifying drawing errors, and redesigning components to integrate updated COTS parts

K2 Systems US

Mechanical Engineering Intern, June 2024 - September 2024

- Cut UL certification testing time by 50% by automating data processing in Excel and developing standardized testing procedures company-wide with comprehensive documentation and protocols
- Identified $15K in potential cost savings by collaborating with Mexican engineering and manufacturing teams to analyze design modifications and manufacturing improvements
- Reduced fixture costs by 90% while eliminating measurement errors by designing innovative low cost test fixtures

Nina Labs

Junior Engineer, June 2023 - December 2023

- Reduced pour variation by 80% by engineering Python based pour-testing jig uncovering critical valve design flaws
- Enabled deployment at Las Vegas Sphere for U2 opening concert by ensuring valve reliability through testing jig
- Eliminated $8K in outsourced testing costs by designing automated test fixture with Python control system
- Reduced assembly time by 35% and cut production costs by $4K by applying design for manufacturing principles to redesign chassis interior while maintaining strict food safety and alcohol compliance requirements

Cal Poly, San Luis Obispo

Mechanical Engineering Research Assistant, April 2024 - June 2025

- Reduced campus energy consumption by 15% in studied buildings by analyzing 6 months of HVAC performance data and implementing optimized operation based on seasonal usage and weather forecasting
- Enabled energy optimization across 11 campus buildings by deploying 200+ IoT sensors with MATLAB data pipeline providing findings via performance dashboards to facilities management

PROJECTS

Cal Poly, San Luis Obispo

Senior Design Project: Wildland Fire Hose Clamp, September 2024 - June 2025

- Refined clamp design in SolidWorks with FEA analysis, achieving 30% higher strength than design specifications
- Designed overcenter mechanism to achieve required clamping force in compact form factor, solving critical mechanical advantage challenge
- Led field testing and validation ensuring clamp met Cal Fire operational requirements, gaining interest in production

Autoprint Inc.

Co-Founder and Chief Mechanical Engineer, November 2020 - November 2021

- Co-founded 3D printing startup that attracted over 100 Kickstarter backers while leading technical development of proprietary printer design and filing provisional patent
- Reduced pre-print setup time by 90% by engineering IoT-enabled printer system with remote monitoring

LEADERSHIP & ACHIEVEMENTS

- **Eagle Scout** - Led 12 volunteers to design and install park waste collection system, adopted across all municipal sites
- **Student Pilot and Ground School Instructor** - Taught aircraft system and flight principles to 150+ students