Bradley Jackson

(239) 600-8536 | bradleyjackson@stanford.edu | www.linkedin.com/in/bradley-kyle-jackson

EDUCATION

Stanford University **Stanford, California**
Master of Science in Mechanical Engineering Expected Winter 2026

- **Relevant Coursework:** Global Engineering Design Thinking, Design and Manufacturing, Computer-Aided Product Creation, Design for Additive Manufacturing, Continuous Mathematical Methods w/ Emphasis on Machine Learning, Carbon Dioxide and Methane Removal

University of California, Los Angeles **Los Angeles, California**
Bachelor of Science in Mechanical Engineering Class of 2024

- **GPA:** 3.842
- **Honors:** Dean's List

WORK & RESEARCH EXPERIENCE

Trimark Associates, Inc. **Folsom, California**
Production Intern June 2022 – September 2022

- Utilized design packages to assemble and test meters, junction boxes, and large-scale meter cabinets.
- Updated and maintained quality control records for over 100 components.
- Communicated with clients to ensure timely delivery, installation and maintenance of products.

Nano Transport Research Group (NTRG) **California NanoSystems Institute**
Research Assistant March 2022 – March 2024

- Designed experiment to measure thermal conductivity of synthesized graphene using Spectroscopy.
- Developed thermocouple setup to investigate the relationship between Raman shift and temperature delta.
- Presented and defended research findings to panels during weekly update meetings.

UCLA Henry Samueli School of Engineering **Los Angeles, California**
Teaching Assistant, Introduction to Manufacturing Processes March 2023 - June 2024

Under Armour Factory House **Folsom, California**
Stock Teammate/Sales Associate June 2020 - May 2021

PROJECTS

Building Management AI Assistant - CFO/Team member **Stanford, California**

- Currently developing DIANA, a Dynamic Intelligent Anomaly Notification Assistant, that leverages large language models (LLMs) to provide real-time feedback for on-site building repair technicians.

"Can Opener" **Stanford, California**

- Designed and manufactured a stationary and food-safe device to make a hole in the bottom quartile of a beverage can. Presented the innovative design at a quarterly showcasing event for Stanford design students.

Stanford Paper Bike Competition **Stanford, California**

- Rapid prototyped a bike made from cardboard in less than 2 weeks. Gained hands-on experience transforming complex problems into clear requirements and bringing ideas to life through rapid prototyping.

Miniature Chair Design and Fabrication **Los Angeles, California**

- Utilized manual mill, lathe, Solid CAM and CNC to precisely manufacture mini chair components within tight tolerances. Some parts were made individually and others were designed in a collaborative setting.

Machined Tape Dispenser **Los Angeles, California**

- Manufactured a tape dispenser using 3D printing, manual turning, manual milling, and CNC milling techniques as part of a project through FADE (Fabrication and Design Essentials) for ASME.

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Solidworks, SolidCAM, Fusion360, ANSYS, LabView, Google Suite, MS Office
Languages: MATLAB, C++, Python, Spanish (CA Bilingual Certified)
Activities: Weightlifting, Snowboarding, Water Sports, Lambda Chi Alpha Alum