

WILL SANTANA

Mechanical Engineering Student | UC Berkeley Class of 2028

CONTACT

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SKILLS

- SolidWorks
- Onshape
- Fusion 360
- MATLAB
- Python
- HTML
- Website Design
- Microsoft Office
- Machining
- 3D printing
- Electronics

EDUCATION

University of California, Berkeley
B.S. Mechanical Engineering,
Expected May 2028

Relevant Coursework: CAD &
Design, MATLAB, Python

LEADERSHIP & OUTREACH

- Eagle Scout, Boy Scouts of America (2022)
- Advocate for Latino representation in STEM
- Passionate about community-centered design

ENGINEERING PROJECTS

MotoStudent Sports Team - UC Berkeley 2024–Present

Design & Fabrication Member

- Modeled motorcycle components in CAD
- Supported machining and hands-on assembly

CAD Wind Turbine Project - UC Berkeley 2024

Course Project

- Designed and 3D printed turbine using SolidWorks
- Focused on aerodynamic performance and manufacturability

Sustainable Energy Capstone - High School 2023

Lead Designer

- Led a senior project addressing renewable energy needs
- Designed and built a functional prototype

Robotics Team - High School 2020–2024

Machinist & Team Member

- Operated mills, lathes, and 3D printers
- Built and assembled competition-ready robots

RESEARCH EXPERIENCE

Undergraduate Research Assistant - SDSU Summer 2025

Mechanical Engineering | Dr. Camacho

- Researched combustion, soot formation, and nanomaterials
- Analyzed aerosol behavior and flame diagnostics for energy and air quality studies

Undergraduate Research Contributor - SDSU Summer 2025

Aerospace Engineering | Dr. Sara Adibi

- Contributed to NASA proposal on fluid venting in zero gravity
- Wrote technical summaries on thermoplastic composites and PCB fabrication systems for aerospace applications