

Will Santana

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Education

University of California, Berkeley – Berkeley, CA

B.S. in Mechanical Engineering, Expected May 2028

- First-year undergraduate interested in robotics, renewable energy, materials, and aerospace
 - Relevant Coursework: CAD & Design, Engineering Graphics, Intro to Mechanics
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Projects & Experience

MotoStudent Sports Team – UC Berkeley

Design & Fabrication Member | 2024–Present

- Contributed to design and manufacturing of a fully functional motorcycle
- Created CAD models for mechanical components and supported machining and assembly
- Gained experience with team collaboration, real-world constraints, and precision manufacturing

CAD Wind Turbine Project – UC Berkeley

Course Project | 2024

- Designed and 3D printed a functional wind turbine model using SolidWorks
- Focused on design for manufacturing, aerodynamics, and team collaboration

Sustainable Energy Design Capstone – High School

Lead Designer | 2023

- Led a senior-year engineering project to address an environmental issue
- Designed and built a working prototype focused on sustainable energy solutions

Robotics Team – High School

Machinist & Team Member | 2020–2024

- Operated mills, lathes, bandsaws, and other shop tools for robot construction
 - Worked with team to prototype, assemble, and troubleshoot competition robots
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Skills

SolidWorks, Onshape, Fusion 360, Microsoft Office, Python, MATLAB

Mill, lathe, bandsaw, 3D printing, basic electronics

Leadership & Outreach

Eagle Scout – Boy Scouts of America (2022)

Committed to increasing Latino representation in STEM

Passionate about hands-on problem-solving and community-centered design