

SAISRAVYA BANDLA

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EDUCATION

University of California, Berkeley - *B.S., Mechanical Engineering | Design* May 2026

Relevant Coursework: Prototyping & Fabrication, Discovering Design, Three-Dimensional Modeling for Design, Internet of Things, and Intro to Computer Programming for Scientists and Engineers

RELEVANT EXPERIENCE

Engineering Solutions at Berkeley

Tesla - Mechanical Engineering Consultant

Sept 2024 - Present

- Collaborating with 5 engineers to design an ergonomic, aesthetically pleasing electromechanical prototype that meets load-bearing requirements, optimizing deployment speed and minimizing lateral deflection for a user-friendly one-touch operation that improves efficiency and user experience

Director of Media and Branding

May 2024 - Present

- Increased website traffic from 53 to 400+ unique visitors in the first 10 days by rebranding, redesigning the website, and establishing brand guidelines, enhancing the user interface and engagement
- Raised monthly visits from 78 to 3,000+ and contributed to a 38% boost in member applications through effective branding strategies and engaging social media content, leading to higher user interaction
- Designed 7 apparel options for a 40+ member team, increasing brand recognition and consistency
- Improved user experience and functionality by leading design efforts and incorporating feedback from a cross-functional team of 5, addressing UI/UX needs to create a more seamless, user-friendly website

Rapid Robotics - UI/UX Consultant

May 2024 - Sept 2024

- Designed an intuitive touchscreen tablet interface using Figma resulting in 15+ final mockups and 30+ assets ready for development handoff, creating a seamless 3D object scanning experience
- Collaborated cross-functionally to ensure a user-friendly design, integrating brand guidelines into the GUI, and developing comprehensive user flows and wireframes to optimize the interface for operational ease

Navier - Mechanical Engineering Consultant

Feb 2024 - May 2024

- Improved observation and analysis of cavitation near hydrofoils by collaborating with 5 engineers to specify a camera, design a specialized mount in SolidWorks, and manufacture the mount, enabling accurate identification of design improvements. Optimized the performance and efficiency of Navier's boat design by using ANSYS simulations to assess the mount's structural integrity and interaction with water

Wonderfil - Product Design Intern

May 2024 - Sept 2024

- Reduced refill time for Whole Foods launch by designing and developing four key dispenser components, simplifying the system, enhancing aesthetics and functionality, and maintaining thorough documentation
- Created 8 tap handle designs (2 product lines with 4 CAD models each) on Fusion 360 for Dr. Bronner's by conducting market research and competitor analysis to ensure effective branding and product differentiation.

TouchStone - UI/UX Intern

Oct 2023 - Sept 2024

- Designed 85+ mockups for mobile app as part of a redesign under tight timelines, which improved user experience and streamlined app functionality, resulting in a more intuitive and efficient user interface
- Prototyped 5 landing page concepts that enhanced site navigation and usability, leading to a smoother user flow and increased ease of use for visitors

AWARDS & HONORS

Three-time NM Governor's STEM Challenge State Championship winner, Received sponsorship from Deloitte, The Boeing Company, and Presbyterian Healthcare Services, Energy Safe Kids 811 Nationwide Contest Winner, World of Seven Billion Contest Best in State Recipient, NM State Library Contest Letters for Literature State Finalist, UC Berkeley Cal Alumni Leadership Award Finalist

SKILLS & SOFTWARE

Skills: CNC Mill/Router, 3D Printing, Soldering, Laser Cutting, Metal Shop, Wood Shop, Welding, Water Jet

Software: SolidWorks, Fusion 360, MATLAB, SwiftUI, Python, Arduino, Figma, FigJam, Onshape, Adobe