

Daniela Guerra

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EDUCATION

University of California, Berkeley

August 2021 – May 2025

B.S. Mechanical Engineering | Concentration in Electrical Engineering and Computer Science | SCET Certificate

PROFESSIONAL EXPERIENCE

Stealth Biotech Lab | San Francisco, CA

Hardware Engineer

October 2025 – Present

- Designed, prototyped, and iterated bioreactor hardware to support development of exo-organ systems
- Built and validated bioreactor systems to ensure reliable self-regulation and consistent biological performance

Tesla Motors | Fremont, CA

Process Engineer

July 2025 – Present

- Overseeing installation, and launch of new production lines for upcoming products within Body-in-White, owning liftgate and hood processes from tooling coordination to line validation
- Adapted processes for new products by directing tooling redesigns and line-feeding automation, eliminating five headcount positions and generating \$700,000 in savings

USA Launching Pad | San Francisco, CA

Project Management Intern

October 2024 – May 2025

- Managed Matom.AI and Cloudsoft launch in the US, analyzing market data and providing strategic market entry decisions
- Lead outreach and customer discovery efforts, conducting 50+ interviews and market tests to refine business models

Tesla Motors | Fremont, CA

Manufacturing Equipment Engineer Intern

May 2024 – August 2024

- Prototyped and deployed body carrier traceability systems and robotic adhesive automation system, integrating sensor hardware and software logging, eliminating weekly downtime and generating \$410,000 in annual savings
- Optimized station layout by increasing buffer capacity and applying GD&T to improve part quality, reducing dimensional defects and delivering \$340,000 in efficiency gains

Quality Engineer Intern

May 2023 – August 2023

- Developed Python and SQL pipelines automating data processing and trend analysis, reducing 3 days/week of manual work
- Built Tableau dashboards for cross-functional teams to iterate on defect root cause, reducing Top 1 MIS defects by ~0.9%

Grupo Cognitive | San Salvador, SV

Data Science Intern

June 2022 – August 2022

- Prototyped real-time ML-driven dashboards and data visualization systems to track market trends with AWS and Power BI, reducing manual reporting by 15 days/month, and improving customer retention across key sectors by 12%
- Created real-time market intelligence platforms and data reports that guided business proposals, enabling 20 client expansions and securing \$600,000 in new revenue

PROJECTS AND PRODUCT DEVELOPMENT

Yapp | San Francisco, CA

- Designed, built and launched iOS app (SwiftUI and Firebase) to reconnect friends through spontaneous interaction

Chamba | San Francisco, CA

- Designed and built a two-sided platform for instant service bookings, enabling fractional employment and credibility through reviews and verifications (Launching January 2026)

Powda | Berkeley, CA

- Prototyped dispensing device for powders and granules supporting use cases from Alzheimer's pill management to cooking recipes and gym supplements; Awarded 1st Place at UC Berkeley Engineering (300+ participants)

UC Berkeley Solar Vehicle Team | Berkeley, CA

- Directed suspension and hubs design, boosting vehicle performance by 38% in road tests through NX CAD modeling, FEA simulations, and iterative redesign

Protect Corals Organization | San Salvador, SV

- Founded and led nonprofit raising \$10,000 in funding for coastal school technology and supplies, provided food baskets for 1,000 families, and directed the release of 3,000+ endangered turtles

SKILLS

Technical CATIA, SolidWorks, AutoCAD, ANSYS, COMSOL, DFM/DFA, Python, Swift, MATLAB, 3D Printing