Landon Krivanec

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EDUCATION

Master of Engineering, Mechanical Engineering | Product Design Concentration — May 2027
University of California Berkeley

Bachelor of Science, Mechanical Engineering | Engineering Management Minor — May 2026
San Jose State University, Magna Cum Laude

SKILLS

Technical*:* CAD (CSWA Certified), FEA, MATLAB, LabVIEW, Minitab, Technical Drawings, Engineering Change Orders, Technical Presentations, Microsoft Office Suite (Excel, Word, PowerPoint)

PROFESSIONAL EXPERIENCE

NPI Manufacturing Engineering Intern, Mizuho OSI, Union City, CA — June 2026 – November 2026

- Developed and deployed a VBA program that migrated legacy assembly instructions to a new template, generated tracked redlines, and reduced document-update time by 96.3%.
- Led a root cause investigation into inconsistent surgical table rail forces, ranking 22 potential contributors by risk and defining corrective actions and validation methods.
- Designed and validated a 200+ lbf production test fixture using SolidWorks FEA, achieving a minimum safety factor of 2.

Senior Design Project Engineer, Vista Robotics, San Jose, CA — August 2025 – May 2026

- Collaborated with Vista Robotics to design and prototype assembly fixtures for the handheld discectomy and endplate preparation system, reducing build time by 37 minutes per assembly.
- Applied SolidWorks CAD, prototyping, and manufacturing process analysis to develop a quick, reliable fixture system compliant with medical device standards.
- Conducted design reviews and testing plans to ensure usability, efficiency, and manufacturability.

Mechanical Design/Test Engineering Intern, Jabil, San Jose, CA — June 2025 – August 2025

- Led and contributed to 13+ engineering projects spanning fixture design, electronics integration, and ergonomic improvements across SMT production lines.
- Designed, prototyped, and implemented custom hardware using SolidWorks and 3D printing (PETG-ESD) to support operator workflow, safety, and product traceability.
- Spearheaded data-driven analysis and operator training for Feeder Finger SMT attachments, aimed at a potential $500K annual savings and reduced line downtime. Designed KPI tracking tools to evaluate performance.
- Delivered formal presentations to directors, engineering managers, and quality teams; documented and handed off all project files, CAD models, and BOMs for continued execution post-internship.
- Represented Jabil in vendor-facing meetings, including hosting and coordinating on-site visits, leading technical discussions, and facilitating hands-on training sessions with external engineers to evaluate tooling solutions and ensure alignment with production needs.

LEADERSHIP EXPERIENCE

Product Management Affinity Group Leader, UC Berkeley Fung Institute — August 2026 – Present

- Leader of product management events connecting students with peers, alumni, and industry professionals.

Advisor, Engineering Honor Society, Tau Beta Pi — June 2026 – Present

- Mentored CA Eta executive officers to strengthen chapter leadership and operations.

President, Engineering Honor Society, Tau Beta Pi — February 2025 – June 2026

- Directed chapter operations, overseeing member eligibility, elections, initiation ceremonies, and organizational events while ensuring compliance with national bylaws and university policies.