



Jimmy Grey

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Design & Engineering

- Fusion 360
- Parametric Modeling

Prototyping and Fabrication

- 3D Printing
- CNC Machining
- Laser Cutting
- Rapid Prototyping

Hardware & Systems

- Electromechanical Integration
- DfM (Design for Manufacturing)
- Modular Architecture

Project Management

- Lean Management & Manufacturing
- Microsoft Suite
- Google Workspace

Education

BS - Marketing

California State University of
Sacramento - 2008

PROFESSIONAL OVERVIEW

Multidisciplinary R&D Lead with 9 years of experience designing and executing high-density physical products. Obsessed with spatial efficiency—fitting complex, rugged systems into tight constraints and making them play perfectly together. A collaborative leader who bridges engineering realities with business goals, keeping project timelines on track while advocating for smart resource management and sustainable, long-term durability.

EXECUTIVE SUMMARY

Founder & Principal R&D Engineer | Levity Vans

Santa Cruz, CA | 2017 – 2026 (9 years)

Physical Product Design & Manufacturing

- Engineered complex mobile systems using parametric design in Fusion 360; maximized spatial efficiency and minimized material waste by resolving manufacturing issues in the CAD phase.
- **Prototyping & Production:** Scaled from initial concept ideation to the delivery of 100+ high-performance units, managing a \$1.6M+ annual production portfolio.
- **Vendor Ecosystem:** Directed a specialized network of CNC, fabrication, and finishing partners, ensuring rigorous quality standards across complex electromechanical housings.

Systems Architecture & Automation

- **IoT Integration:** Architected integrated hardware solutions and smart-system environments, prioritizing high-density spatial layouts and 100% field serviceability.
- **Automation Logic:** Developed custom system behaviors and localized control environments (utilizing Home Assistant/YAML) to synchronize environmental sensors with mechanical hardware.
- **UI/UX Design:** Designed intuitive digital interfaces for complex system monitoring.

Previous Strategic Leadership & Business Development

- **SolarCity | Channel Account Manager:** Directed a high-performance lead generation team, doubling headcount and managing market expansion in the San Jose region.
- **Google | Team Lead (B2B Dev):** Liaised between Engineering and Operations to align on product goals for a new search platform; managed 100+ industrial manufacturer accounts during beta launch.
- **The Armada Group | Account Executive:** Navigated Silicon Valley's technical landscape to gather requirements for Software Development and IT Project Management roles.