



Jimmy Grey

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Design & Engineering

- Fusion 360 (CAD)
- Parametric Modeling
- DfM (Design for Manufacturing)

Prototyping & Fabrication

- CNC Machining & Waterjet
- 3D Printing & Laser Cutting
- Rapid Prototyping & Assembly

Shop Operations & Systems

- Inventory Management & BOMs
- ERP / MRP Systems (inFlow, Odoo)
- 5S & Workplace Safety (EHS)
- Vendor Procurement & Logistics

Project Management & Software

- Jira & Asana
- Slack & Google Workspace
- Microsoft Suite & Spreadsheets
- Lean Manufacturing Principles

Education

- BS – Marketing | California State University, Sacramento (2008)

Certifications

- Autodesk Certified Professional in Design for Manufacturing

PROFESSIONAL OVERVIEW

Multidisciplinary R&D Lead & Operations Manager with 9 years of experience designing high-density physical products and directing shop operations. Proven track record bridging mechanical design with production execution—managing raw material inventory, cross-functional engineering priorities, and vendor ecosystems. A collaborative leader skilled in using digital workflows (Jira, Slack, ERP systems) to keep shop schedules on track, maintain 5S safety standards, and deliver complex electro-mechanical builds.

EXECUTIVE SUMMARY

Founder & Principal R&D Engineer | Levity Vans

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

R&D & Engineering Design

- **Parametric CAD & Systems Design:** Engineered complex electromechanical and physical systems in Fusion 360; optimized spatial efficiency and resolved manufacturing constraints early in the CAD phase.
- **Prototyping & Production:** Scaled products from initial concept through rapid prototyping to full delivery, managing a \$1.6M+ annual production portfolio.

Shop Operations & Execution

- **Shop Planning & Workflow:** Coordinated day-to-day machine shop schedules, R&D and Production priorities, material intake, and equipment maintenance to keep projects on track.
- **Inventory & Systems Management:** Oversaw physical stock and raw materials using inFlow Inventory and structured documentation processes with GDocs and GSheets; utilized HubSpot and CRM tools to manage vendor relationships and procurement tracking.
- **Cross-Functional Communication:** Utilized Jira, Asana, Slack & Google Chat/Spaces to streamline project tracking, engineering requests, and team communication. **Process & Safety Standards:** Maintained organized, clean workspace environments leveraging 5S principles and practical EHS (Environment Health & Safety) workplace standards.

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.