

PETE STONE, PMP

ENGINEERING PROJECT MANAGER

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[Personal Website](#)

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PROFESSIONAL SUMMARY

PMP-certified engineering project manager with six years leading technical teams, programs of \$40M+, and portfolios in North America, Australia, and Asia. Pursuing a Master of Engineering in Advanced Manufacturing at UC Irvine with a focus on product design, additive manufacturing, and prototyping. Experience with CAD/Fusion 360, 3D printing, and shop-floor design and fabrication.

EDUCATION

University of California, Irvine

2026-2027

Master of Engineering, Advanced Manufacturing

- Professional Engineering Master's Program featuring technical and leadership coursework, and an industry sponsored capstone project to apply academic skills to industry.
- Key Coursework: Advanced Manufacturing and Design; Engineering Design and Simulation; Additive and Digital Manufacturing; Introduction to Machine Learning

Post Baccalaureate Engineering Coursework

2023-2026

UC Berkeley - Extension & Oregon State University - ECampus

- Coursework to prepare for Master of Engineering Program, focus on quantitative engineering courses
- Key Coursework: Calculus Series, Physics for Engineers; Statics; Dynamics, HVAC Design Engineering

University of California, Berkeley

Bachelor of Arts, Political Economy

2013-2017

- Concentration in Clean Energy Policy & Economics

WORK EXPERIENCE (CONT. ON PAGE 2)

Opterra Energy Services (f.k.a. ENGIE)

2023-2026

Project Manager

- Led a team of five engineers and 15 subcontractors to construct 25 site, \$40M infrastructure program
- Resolved constructability issues, incorporated design changes from field back into technical package
- Managed schedule, budget, compliance reporting, permitting
- Owned procurement and supply chain of materials across multi-phase program
- Managed stakeholders from district C-suite and superintendent through to 25 individual site principals, aligning competing priorities across a distributed rollout

Advanced Prototype Engineering (APROE)

2022-2023

R&D Facility Project Manager

- Led design of R&D facilities at Fortune 100 companies, including Meta and Ford Motor Company
- Led technical research on lab and manufacturing equipment to optimize layouts and workflow
- Supported prototyping efforts for bespoke prototyping arm of business, including welding and metal fabrication, CNC machining/lathe, and waterjet operations.

WORK EXPERIENCE CONT.

Brainbox AI

2021-2022

Project Manager

- Led deployment of HVAC efficiency algorithms for 30+ buildings across USA, Canada, Australia, Japan, managing time zones, distributed teams, and business culture considerations
- Defined scope for hardware and software engineers to ensure successful integration to existing systems
- Created a software tool in Python that reduced team's manual data entry effort by 90%
- IOT hardware installation, failure analysis, and replacement coordination

Carbon Lighthouse

2018-2020

Associate

- Led sales to onboard commercial real estate operators with proprietary HVAC controls algorithms
- Selected by C-suite to lead product market fit research

Sungevity

2017-2018

Solar Consultant

- Designed, consulted on and sold solar systems to homeowners

HIGHLIGHTED PROJECTS

Ford Transit 250 Van Conversion – Design + Build

2020

Personal Project

- Designed and built a self-contained 90 sq ft living system for two adults, integrating electrical, plumbing, propane, and structural subsystems under fixed volume and payload constraints
- Specified and installed 12V DC / 110V AC electrical with 400W solar and 400Ah storage, plus pressurized 40-gal water system with heater - both systems sized for a full week off-grid
- Sourced all materials and deliveries against the build schedule to prevent material-driven delays

Bike Computer + GoPro Handlebar Mount

2026

Personal Project

- Designed, modeled and 3D printed a bracket to hold bike computer and headlight or GoPro
- Performed testing, failure analysis, and three print iterations to resolve handlebar and computer locking mechanism fit tolerances
- Optimized print orientation, infill, and wall thickness to align layer adhesion with primary load paths and resolve layer separation failures under load
- Reduced frontal surface area from previous setup to reduce drag and normalize airflow onto the bike

KEY SKILLS

Program Management: Cross-Functional Engineering Team Leadership; Schedule and Budget Ownership; Risk Identification and Mitigation; Supplier and Subcontractor Management; Procurement and Supply Chain; Contract Negotiation; Executive Stakeholder Management

Technical: Fusion 360/CAD Design Experience; 3D Printing; Design For Manufacturability; Multi-system Integration; Prototyping;

Certifications: Project Management Professional (PMP) - active through 2029