

Education	University of California Berkeley - Haas School of Business Master of Business Administration, May 2016 (Evening & Weekend Program) <ul style="list-style-type: none">Emphasis in Business Innovation, Entrepreneurship, New Products University of California Santa Barbara – College of Engineering Masters of Science (2006) & Bachelors of Science (2005) in Mechanical Engineering/Materials <ul style="list-style-type: none">Focused coursework on electromechanical systems, product development and material selection
MBA Project	Home Energy Management (HEM) Market Study – California Utility Client <ul style="list-style-type: none">Identified, categorized and strategized key players, products, platforms and protocols in the HEM market
Experience	
2015 – 2015	Window Street Financial Sundowment Oakland, CA <i>Affinity Based Solar Financing Sustainable Investing meets Impact Borrowing</i> Founder <ul style="list-style-type: none">Led business model and customer development activities to secure \$25k of DOE fundingManaged software team in building an investment management web portal
2015 – 2015	Sunverge Energy San Francisco, CA <i>Home Energy Storage and Management Startup</i> Technical Product Manager (Hardware & Software) <ul style="list-style-type: none">Led system architecture redesign to improve product scalability, cost efficiency and market compatibilitySimplified software system modes and control features through user discovery processesPerformed global market interconnection and economic studies to improve product deployment readiness
2014 – 2015	Cogenra Solar Mountain View, CA <i>Khosla Ventures Renewable Energy Startup</i> Product Manager <ul style="list-style-type: none">Oversaw product testing at nationally recognized test labs leading to record reliability and performance ratingsLed product cost roadmap and supply chain strategies leading to increased focus and success of dev team effortsInvestigated and selected a high voltage module architecture for increased market and cost advantages
2011 - 2013	Program Manager <ul style="list-style-type: none">Led the development program for the Photovoltaic & Thermal (PV-T) product through R&D, certification, Asian production ramp-up and fielded product installationsInvented key product designs and processes that realized direct cell interconnect (DCI) technology successManaged key international partner relationships from initial negotiations through execution on deliverablesEnhanced product performance by 25% using optical/electrical/thermal analysis and design considerationsSuccessfully directed the engineering team through design, analysis, testing, manufacturing and beta launch
2009 – 2011	SunPower Corporation San Jose, CA <i>Solar Systems and Energy Services Company</i> Product Development Lead Engineer <ul style="list-style-type: none">Led the development (alpha and beta) of a revolutionary AC module that simplified rooftop design, reduced installation costs and enhanced monitoring features; led to a forecasted 25% increase in rooftop salesEstablished functional requirements, schedule, budget and success targets for new development programsManaged the qualification and manufacturing ramp of new product materials that led to \$25 million in savings
2007 – 2009	Northrop Grumman Aerospace Systems Manhattan Beach, CA <i>Spacecraft division of Government Contractor</i> Responsible Design Engineer – Solar Array (Electrical Power Subsystem) <ul style="list-style-type: none">Led 5-person engineering team in design, prototype fabrication, testing and verification efforts for \$40M solar array system on National Polar-orbiting Operational Environmental Satellite System (NPOESS) space programConducted detailed power modeling and analysis to determine mission power generation requirements
2006-2007	Electronics Manufacturing Engineer <ul style="list-style-type: none">Managed production of printed wiring assemblies through Automated Board Assembly Line (ABAL)Improved process control methodology and quality control procedures for ABALCollaborated with designers and production planners to facilitate ABAL compatible designs and work plans
Additional	Software: Excel, PowerPoint/Keynote, CAD (Solidworks, Autocad/Fusion), Data Analysis (JMP, Tableau, Matlab) Certification: Registered California Professional Engineer (License: 34461) Awards: US DOD Outstanding Performance Award - Aerospace Electrical Power System Design Personal: Enjoys technology, passionate people, clean energy, ideation, sailing, triathlons, outdoor adventures