

877 McElroy Street
Oakland, CA 94607

510.290.3682
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Over 7 Years Professional Engineering Experience

Proven Record of Executing Complicated Projects with Limited Resources

Agile Product Development Expert

SKILLS

Project Management: Budgeting, Scheduling, Permitting, Quality Assurance, Supply Chain Management, Regulatory Compliance, Process Analysis and Improvement, Conflict Resolution, Risk Management

Fabrication: Milling, Lathing, Laser Cutting, Carpentry, Casting, Thermoforming, Soldering, 3D Printing

Software: Ruby, Ruby on Rails, Python, Django, Apache, C, Javascript, HTML, CSS (SASS/LESS), React, PostgreSQL, Ajax, RSpec, Selenium, Google Cloud, Linux, BASH, TDD, Pair Programming, Restful APIs

EXPERIENCE

Freelance Developer	Unverifiable.info	Oakland, CA	09/2016 – present
<ul style="list-style-type: none"> Recent projects include in operations integrations for b2b custom printed packaging, greeting card e-commerce site, and collaborative realtime control of virtual puppets (https://github.com/ransom) 			
Product Manager	BriteHub	Oakland, CA	12/2015 – 08/2016
<ul style="list-style-type: none"> Introduced and implemented a weekly development cadence and product roadmap. Instituted a corporate mantra of the questions "What are our priorities?" and "Are we doing the things that would best further those priorities?" Shipped MVP for four major features while under severe resource constraints. 			
Head of Manufacturing	Type A Machines	San Leandro, CA	02/2013 – 02/2015
<ul style="list-style-type: none"> Directly responsible for all engineering, procurement, assembly, quality control, and fulfillment for the manufacturing of 3D printers and accessories, both in terms of the day-to-day operations and long term planning for growth and new product development. Supervised a staff of 8 technicians and engineers. Shepherded new concept prototypes from R&D through to polished and reliable products. 			
Project Manager	Renovation of Private Residence	Oakland, CA	05/2012 – 12/2012
<ul style="list-style-type: none"> Restored and remodeled two long-vacant and derelict Victorian era houses. Designed and implemented major efficiency upgrades (insulation, daylighting, radiant heat, etc). Interviewed, hired, and supervised contractors for all stages of the project, as well as performing much of the planning and labor. 			
Project Manager	Energy Solutions	Oakland, CA	09/2009 – 05/2012
<ul style="list-style-type: none"> Developed internal business processes for Software Quality Assurance and Operations. Provided Quality Assurance and User Support for multimillion dollar voluntary energy efficiency incentive programs serving both the large utility clients and the general public. Wrote and submitted an analysis and proposal for cost effective industrial compressed air efficiency regulation, recently adopted by the California Energy Commission. 			
Contractor	Various	Star Junction, PA	06/2006 – 09/2009
Teaching Assistant	Olin College of Engineering	Needham, MA	01/2006 – 05/2006
Student Consultant	Boston Scientific	Marlborough, MA	09/2005 – 05/2006
Design Engineer	DeepSea Power and Light	San Diego, CA	06/2005 – 08/2005
Research Assistant	Olin College of Engineering	Needham, MA	06/2003 – 08/2004
Technical Intern	Bose	Framingham, MA	08/2001 – 07/2002

EDUCATION

Olin College of Engineering, BS Engineering: Sustainable Design

2006