



PATRICK SCOTT



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CERTIFICATIONS

Catia V5: Fundamentals & NC Programming

KUKA Robotics: Basic & Adv. Robot Programming

Leadership Skills Dev.

UL 153 & 1598 MTR
General Coverage

Verisurf Training

SKILLS

CAD:

SolidWorks, Catia V5,
Inventor, Fusion 360,
AutoCAD, Sketchup, Revit

GD&T

DFM

SolidWorks PDM

ERP/PLM: Agile, LN6,
SAP, Epicor, M3

Jira

3D Printing

KUKA Robotics

Machining

SolidWorks Simulation
(FEA)

Microsoft Office

EDUCATION

**BS, Mechanical
Engineering**

Santa Clara University

Continued Online Edu:
Finance

Product Design
Computer Science

ACCOMPLISHMENTS

Eagle Scout

PROFESSIONAL PROFILE

Experienced Mechanical Engineer with a passion for sustainability and innovation. Demonstrated expertise in designing and revising mechanical systems for various industries. As an observant and visual learner, I continuously absorb knowledge from my surroundings. Passionate about problem-solving, I leverage resourcefulness and creativity to overcome challenges.

EMPLOYMENT HISTORY

Mechanical Engineer

Cobham Satcom (Satellite Communications) | Concord, CA | Jul. 2021 – Nov. 2024

- Designed & revised antennas using SolidWorks, incorporating DFM principles.
- Project manager, facilitating communication between engineering teams to improve system design for prototype build and Factory Acceptance Testing (FAT).
- Lead engineering team and production employees to improve and prototype initial system build for a large contract.
- Directed finalization of design and documentation for antenna system.
- Prompt design modification & hands-on fabrication to meet customer specifications.
- Designed laser alignment tool to improve antenna calibration.
- Created & managed PNs, BOMs, & ECOs in Agile PLM.

Mechanical Designer / Drafting Supervisor

Scott Lamp (Lighting) | Fairfield, CA | Sep. 2018 – Jul. 2021

- Designed custom lighting fixtures from concept to production using SolidWorks & DFM.
- Created submittals for customers & manufacturing drawings for production.
- Leveraged 3D printing technology for rapid prototyping of sample models.
- Promoted to Drafting Supervisor, directed task assignments & approved drawings.

Gap Year

Jul. 2017 – Sep. 2018

- Traveled internationally as part of my wife's graduate degree requirement.
- Built basic Spanish skills, fostering adaptability and cultural awareness while living in Chile.

Mechanical Engineer

Wunder-Bar (Food & Beverage) | Vacaville, CA | Apr. 2017 – Jul. 2017

- Created and revised models, drawings, and BOMs using SolidWorks.
- Designed and constructed a prototype pressure test system for production parts.

Mechanical Engineer

Staco Systems (Aerospace) | Irvine, CA | Jan. 2015 – Apr. 2017

- Designed & revised models, drawings & BOM's, using SolidWorks, with DFM in mind.
- Directed custom orders, revisions, & cost-cutting efforts on multiple product lines.
- Collaborated with manufacturing for problem-solving & process improvement.
- Developed optical measurement system to standardize Q.C. for illuminated products.
- Created excel tools to improve team comprehension of optical data for decision making.
- Conducted customer service visits to ensure optimal product application in the field.
- Created excel tools to code & decode part numbers to minimize order & build errors.

Design Engineer / Production (Manufacturing) Supervisor

HITCO Carbon Composites (Aerospace) | Gardena, CA | Feb. 2013 – Sep. 2014

- As principal engineer, spearheaded the R&D and feasibility phases for an innovative robotic system, resulting in labor savings and improved quality control.
- Supervised production employees, fostering a collaborative & efficient work environment.