

Richard L. Scott

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Synopsis: Proven problem solver able to adapt to changing requirements. Exceptional communication skills, able to work independently on complex projects while maintaining flow of information to superiors. Mission and results oriented, able to handle multiple tasks while meeting deadlines. Innovative, enthusiastic and dedicated. Extremely “hands on”, able to bring an idea from initial concept to finished product.

Qualifications:

- Skilled mechanical designer with 22 years of Solidworks experience.
- Strong technical writing skills – i.e., Plans, Procedures, Work Instructions, and Reports.
- Extensive background in lightweight structures, hydraulic, pneumatic, and electro-mechanical fabrication, repair, and test.
- Exceptional troubleshooting skills, able to quickly determine point of failure within a system.
- Computer literate in all PC based applications.
- Highly experienced with 17+ years in an ISO 13485 and 21CFR820 (FDA QSR) development and manufacturing environment

Experience:

Rivulis

May 2020 – January 2025

Mechanical Engineering Consultant

- Providing engineering assistance on a short-term basis to various companies. Assisting with all skill sets to get projects caught up, wrapped up, or polished up.
- Design, fabrication, assembly, test, and documentation as needed.
- Produced CAD models from old drawings that allowed use of CNC machines to produce parts.

Aluminess Products Inc.

February 2020 - April 2020

Mechanical Engineer

- Design and testing of high-end accessories for off road vehicles.
- Performed documentation to include BOM's, assembly instructions, and installation manuals.

Shield AI

March 2019 - February 2020

Senior Technician

- Performed repair, refurbishment, and upgrade of autonomously operating quadcopter robots.
- Provided technical support to the production line and logistical support to the test and verification group.
- Manufacturing fixture and test equipment design and fabrication.

Chart-SeQual Technologies Inc

2007 - November 2018

Engineering Associate

- Using SolidWorks, assisted in the design of all major projects from feasibility study to production ready models and drawings to include support tooling and production fixtures.
- Fabricated models and prototypes to support product validation throughout the product development process using a broad range of materials and processes, including but not limited to sheet metal, composites, tubing assemblies and molding of silicone and foam and 3D printing of parts.
- Assembled every product from scratch with a focus on improving manufacturability and repair turnaround times, introducing engineering changes as required. Developed relationships with vendors to ensure that all design intents were met.

- Performed testing at every stage of product development to include Design of Experiment, Validation Testing and Verification Testing.
- Produced product support documentation ranging from drawing packages, Bills of Material (BOMs), and assembly work instructions to user and technical manuals. Managed Engineering Change Control and SolidWorks Product Data Manager (PDM) and Enterprise Product Data Manager (EPDM) libraries.

QuinetiQ North America

2005-2007

Senior R&D Technician

- Performed disassembly, refurbishment, modification, and component installation of advanced subsurface to surface laser communication system for experimental use on U.S. Navy submarines.
- Managed mechanical document libraries and was responsible for laboratory parts stock and organization.
- Designed and fabricated fixtures and tooling as needed.

TREX Enterprises Corporation

2002-2005

Senior Mechanical Technician

- Performed design, fabrication, assembly, testing and documentation on military research and development projects, including air-to-air laser communication systems and passive millimeter wave detection systems.
- Assisted in site evaluations, coordinated transport, conducted set-up, and assisted in testing of multiple field deployments of experimental laser communication devices.
- Rebuilt top assembly solid model (500+ parts) to accurately reflect the sub-assemblies and to create new library, resulting in faster loading and easier model access.
- Performed rigging operations for the movement of heavy equipment and test assemblies.

Advanced Projects SeQual Technologies, Inc.

2000-2002

Senior R&D Technician

- Fabricated experimental devices (manifolds, system monitoring devices, and prototype test beds) used for gas separation research.
- Provided training and maintenance support to ISO 9001/9002 medical device production line.
- Provided technical writing (service manuals) in support of product line.

Chief Petty Officer, United States Navy

- Extensive experience in sheet metal and composite materials repair and fabrication.
- Performed direct operational maintenance of pneumatic, hydraulic, and helicopter drive systems, along with associated line and servicing functions.
- Maintenance Control Chief in Naval helicopter operations, in charge of day-to-day maintenance scheduling, flight schedule assignments and long term aircraft utilization planning.
- Research, Test, Development and Evaluation (RTD&E) flight operations at the Pacific Missile Test Center, Naval Air Station Point Mugu.
- Personnel Reliability Program/Secret security clearance holder

Education:

- Mount Assumption Institute, Plattsburgh N.Y.