

Electrical/Electronics Engineering

Summary

Electrical Engineering Professional with over 10 years of experience in various electronic fields, including RF/microwave, Communication Systems, Filter Design, Fiber Optics, Sensors, and Analog Electronics. Extensive background in the analysis, design, and implementation of RF systems with strengths in project management, and manufacturing engineering, and a strong background in Digital Communications and Digital Signal processing. Strong technical, mathematical and computer aptitude.

Education

Rensselaer Polytechnic Institute, Hartford, CT 1998

M.S., Electrical Engineering

GPA: 3.9.

Classes Taken: Analog Circuit Design, Digital Circuit Design, System Dynamics, EMI/EMC, Antenna Theory, Discrete Time Systems, Stochastics, Digital Signal Processing, Advanced DSP, Digital Image Processing

Worcester Polytechnic Institute, Worcester, MA 1989

B.S., Electrical Engineering

GPA: 2.85

Professional Experience

Times Microwave Systems, Wallingford, CT 2002 to 2004

Project Engineer

Performed Qualification Testing of Military Coaxial Cable Assemblies from 500 MHz to 40 GHz. Prepared reports, and data analysis to demonstrate compliance with customer supplied and/or military specifications.

Responsible for all aspects of new product line, including the specification, characterization, evaluation, and production testing of amplifiers/filter circuits for a military wireless (802.11b/g) systems.

Documented product performance, non-conformance issues and engineering studies.

Trans-Tek, Inc., Ellington, CT 2001 to 2002

Electronics Engineer

Responsible for the Design/Development/Support of Oscillator/De-Modulator Circuits to complement the Linear Variable Differential Transformer, and Angular Displacement Transducers.

Designed from scratch a new Displacement Transducer Product Line using Magneto-strictive technology, including the electrical schematics, PC board layouts, mechanical , and assembly drawings.

ADC Broadband Communications, Meriden, CT 2001 to 1993
Project Engineer 1997 to 2001

Managed Design Engineering team in the development of the Optical Distribution Node products.

Created effective and attainable project schedules.

Created an internal web site containing all related project information, documentation, and details to effectively improve communication within the project team.

Responsible for the generation of Functional Specifications, Design Specifications, Budgets, Project Plans, and the Project Management.

Led the product transition from Engineering to Manufacturing.

Continued with design responsibilities.

Associate Engineer 1995 to 1997

Worked on the development of the Optical Distribution Node Product, which included fiber optic receivers and transmitters, and RF amplifiers operating in the frequency ranges from 5 MHz to 1 GHz.

Designed passive and active RF circuitry, including amplifiers, gain equalizers, duplex filters, lowpass filters, etc...

Used computer-assisted engineering and design software to perform design and system analysis tasks.

Was a key team member in the team that moved the Engineering Department to a new facility.

Based on work at this position was promoted to Project Team Leader.

Manufacturing Engineer 1993 to 1995

Performed all tasks related to the mechanical and electrical assembly of the RF/Fiber Optics product lines.

Responsible for the creation and maintenance of production paperwork, methods and test procedures.

Interacted with engineers, technicians, and production personnel to provide feedback to improve manufacturability.

Wrote engineering orders as needed to solve manufacturing problems.

Restructured the floor layouts, work flow and work environment to accommodate an increase in product revenues from \$20 to \$80 million.

Coordinated the move of the manufacturing floor to a new facility.

Based on work in this capacity, I was offered a position with the Design Engineering Department.

Hi-G Company, South Windsor, CT 1992 to 1993

Electronics Manufacturing Manager 1992 to 1993

Responsible for all Electronic Department activities, including engineering development, manufacturing support, production scheduling, and staffing requirements.

More than doubled the electronic departments' shipments within a 4-month span, and reduced the overdue backlog by 80%.

Continued all previous responsibilities as Manufacturing Engineer.

Electronics Manufacturing Engineer 1992 to 1992

Responsible for all phases of the electronics group, which designed/manufactured various electronic products to compliment and/or supplement the companys' electro-mechanical relay products.

Provided the production floor with manufacturing, test, and troubleshooting support.

Wrote test procedures and designed test equipment for the production/qualification testing of Military QPL components.

Worked on the design and development of product line consisting of solid state switching circuits, analog/digital timing circuits, power monitors/controllers, phase sensing relays, sensors, and other custom products.

Tandy Consumer Service, East Hartford, CT 1990 to 1992
Repair Technician

Tested, troubleshot, and repaired audio, telephony, and other consumer electronic products.

Hamilton Standard, Windsor Locks, CT 1989 to 1990
Manufacturing Engineer

Responsible for product testing and troubleshooting support for the 2nd shift production floor.

Responsible for 2nd shift technician training.

Created Manufacturing Engineering Groups' presentations for upper management.

Worked with Information Systems Group to create a system to extract data from the manufacturing information system and generate numerous types of yield, defect, and trend reports for SPC purposes.

Universal Design, Hartford, CT 1989 to 1989
Engineering Consultant

Liaison between Project Engineering, Production Control, Manufacturing Engineering, and the Production Floor.

Developed and proved out computerized production schedules encompassing factors for yields, lead times, and material recycling.

Hands-on expediting of production assemblies.

Skills

Analog and Digital Design.

Fiber Optics

Mechanical Design Experience, Including AutoCAD

Strong Manufacturing and Project Management background

Excellent Communication and Writing skills

Security Clearances: "Secret" and "Classified"

Familiar with the Following Test Equipment: Network Analyzers, Spectrum Analyzers,

Oscilloscopes, Vector Signal Analyzers, Vector Signal Generators, TDR Fault Analyzers

Computer Software: MS Office, WordPerfect, MathCad, MatLab, AutoCAD, Eagleware Genesys,

MS-Project, Visio, Homesite (HTML Publishing)

Languages: French

Personal Interests

Weightlifting, Ice Hockey, Soccer, Reading, Personal Computers