

ENGINEERING TECH

Summary

Dedicated team player with extensive knowledge of electrical engineering concepts and a creative aptitude for new product development.

Highlights

- Seasoned Lab Expert : 12 years SEM,EDX, DIB and high precision laboratory skills including X-Ray Analysis, Gas Chromatography equip/techniques, High Purity Liquid Chromatography equip/techniques, Stress/Strain collection
- Expert in multiple lab equipment including but not limited to MicroPolisher, MicroCleave, Goniometer, Oscilloscopes, Automated Function Generators, Power Supplies and Multimeters
- Software Connoisseur: Upper level expertise in C++ , SQL, Verilog , VHDL, MatLab, PSpice, LTSpice, PowerWorld , LabView, Windows 2000/XP, Web Design, MS Office (Excel, Project, PowerPoint and Word), and HTML programming.

Experience

Engineering Tech , 09/2008 to Current Company Name i¼ City , State

- Worked in engineering team running, compiling, developing, and analyzing factory experiments aimed to improve Intel's Far Back End Lithography process.
- Used computer and speaking skills to successfully complete and report multiple individual/group tasks related to equipments' performance. (developed automated reports using SQL that displayed factory performance)
- Developed procedures for advanced maintenance on semiconductor equipment that would transfer worldwide.(owned best know methods specification that describes lab procedures and areas best know methods)
- Worked to save money and improve performance (saved >\$13k in identifying opportunity to reuse reticle boxes)

Manufacturing Technican , 08/2000 to 09/2008 Company Name i¼ City , State

Performed advanced maintenance on high voltage equipment. Work environment included hazardous chemical / gas exposure and mitigation techniques for these exposures. Responded and communicated with senior engineers on daily positions

Senior Capstone Project , 09/2007 to 06/2008 Company Name i¼ City , State

- Specified, selected, and implemented a Supervisory Control and Data Acquisition System to gather data from wind generators and a weather station.
- Final system used a crossbow moteÂ© that acquired generator speed, current output, voltage, wind speed, wind direction, temperature, and sunlight.

Research and Development Associate , 05/2000 to 09/2000 Company Name i¼ City , State

- Worked in wood products development, team-designing and testing pre-market materials.
- Assisted in all phases of product characterization and utilized project documentation defining standards, specifications, plans, prints, schematics and/or other necessary documentation required to achieve defined project goals.

Head Freshmen Basketball Coach , 09/1999 to 03/2000 Company Name i¼ City , State

Guided a team of high school boys in developing athletic and social skills. Responsibilities included planning and organizing team meetings, practices and events, and had full social accountability of youths during away trips

Research Assistant , 05/1999 to 10/1999 Company Name i¼ City , State

- Participated in the implementation of a project to regulate nuisance vegetation using natural biological controls (grass carp).
- Responsibilities included preparing reagents and other media required for daily vegetation study, analyzing and logging vegetative samples in orderly fashion, and recovery of biological controls.

Education

B.S : Electrical Engineering , June 2009 Portland State University i¼ City , State Electrical Engineering

B.S : Biology Chemistry , June 2000 Southern Oregon University i¼ City , State Biology Chemistry

Certifications

First Aid Certified, Blood Borne Pathogen Certified, Automated Electric Defibrillator Certified and CPR certified ('08). Courses of Note Applied Reliability, Thermodynamics, Electromagnetism I-II, Power Systems Design I-II, Micro- Electronics I-VI, Solid State Physics, Calculus I - III, Vector Calculus, Differential Equations , Statistics, Physics I-III, Computer Science I, Verilog ,Technical Writing, Digital Design, SEM , General/Organic/ Bio-Chemistry, Anatomy, Immunology , Ecology , Mammalogy, Evolution, Genetics, Plant Physiology and Entomology.

Interests

- Intercollegiate Basketball Participant Southern Oregon Men's Basketball Team Member ('98 -'00)
- Chartered American Cancer Society's Hillsboro Relay for Life ('02)
- Arc volunteer of the month (08/02)

- Family, fishing, basketball, hiking and computers.

Skills

basic, C++, CPR certified, Data Acquisition, designing, Digital Design, direction, documentation, Electronics I, engineer, fashion, First Aid, HTML programming, Intel, LabView, market, materials, MatLab, Excel, MS Office, PowerPoint, Windows 2000, Word, Multimeters, natural, Oscilloscopes, Physics, Physics I, PSpice, speaking, quality, safety, Supervisory Control and Data Acquisition, schematics, SQL, Statistics, Systems Design I, Technical Writing, Verilog, VHDL, VI, Web Design