

WORK EXPERIENCE

SENIOR ELECTRICAL DESIGN ENGINEER

11/2017 - PRESENT

Houston, TX

- Performs products’ sustaining, products’ extension and quality problem solving
- Contribute to the success of assigned projects through technical innovation and execution of assigned electrical design tasks
- Guide and mentor less experienced engineers
- Be responsible for the design of software and algorithms for a medical device as part of a New Product Development team and be involved in all phases of new product development from product concept through commercial launch (Define, Measure, Analyze, Design, Verify & Validate)
- Create and maintain embedded systems, develop, document, and verify algorithms that create desired tissue effects, and work within a configuration management process
- Work one-on-one with internal & external customer stakeholders (manufacturing, quality, marketing, packaging, labeling, regulatory, biocompatibility, surgeons, medical staff, etc.) to identify procedure and/or product opportunities and evaluate potential technical solutions. Interpret Voice of the Customer (VOC) to define technical design requirements
- Perform detailed design analysis to achieve product design requirements and innovative design solutions (through product requirement management and risk management or FMEA)
- Participate in project management activities of developing & monitoring project plan, budget, contingency plans & work estimation

ELECTRICAL DESIGN ENGINEER

09/2014 - 09/2017

Phoenix, AZ

- Cable containment and installation detailing
- Cable calculations, core sheets and termination details
- Preparation of Scope of Work documents
- Review vendor drawings
- Site survey works
- Monitoring deliverable progress
- Construction site support

JUNIOR ELECTRICAL DESIGN ENGINEER M/F

01/2008 - 05/2014

Chicago, IL

- Able to use tools such as VNA's, spectrum analyzers, VSA/VSG's, NF Analyzers, RF power meters, oscilloscopes, function generators, power supplies, IDE's and emulators for debug and test
- Lead the electrical design of a project(s) from requirements to manufacturing
- Project lead responsibilities of electrical designers and harness designers while providing electrical guidance for system engineers and mechanical designers
- BS or MS-Electrical Engineering from an ABET-certified institution
- Five years of previous work experience in a similar role
- A strong working knowledge of Microsoft Excel, Microsoft Word, Microsoft Power Point and Microsoft Outlook
- Substation equipment layouts HV/MV/LV
- Lighting, small power, utilities, UPS, Fire protection design
- Detailed wiring, SLD, schematic and block diagram production

EDUCATION

MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY - ENGINEERING EDUCATION CENTER

2003 - 2008

Engineer’s Degree in Electrical Engineering

PROFESSIONAL SKILLS

- Critical thinking and problem solving skills, planning & organizing skills, decision making and time management skills
- Strong: -Communication skills, verbal and written -Organizational, problem-solving, and analytical skills
- Demonstrate strong independent problem solving and root cause analysis skills
- Apply excellent communication skills and work effectively with project teams globally
- Troubleshooting and failure analysis skills or experience
- Analytical mind with strong planning and self-learning skills, team work & result oriented,
- Excellent problem solving and lab debugging skills