



Job Title: Electrical Engineer (Junior to Mid-Level)

Location: Woodland Hills, CA (Onsite)

Reporting To: VP of Engineering

Job Description:

We are seeking a motivated and curious Engineer to join our dynamic team, focusing on the development and design of innovative electronic hardware for medical projects. This role primarily involves component selection, schematic development, PCB design, prototyping, and thorough hardware testing and debugging. The ideal candidate will be proficient in electrical and PCB design tools, but familiarity with other CAD tools is a plus. This is an exciting role because the candidate has the opportunity to design new products and can grow in other related technical fields such as mechanical design, digital signal processing, embedded software, machine learning and artificial intelligence, and chip design, if interested. Based on the research and development nature of this role, there is opportunity for intellectual property filings, publications, and conference presentations.

Key Responsibilities:

- Conduct requirements gathering and formulate design inputs for each project.
- Execute component selection and develop electrical schematics and contribute to the design of printed circuit boards (PCBs).
- Execute PCB layout and hardware prototyping.
- Conduct comprehensive hardware testing and debugging to ensure functionality and reliability.
- Assist with the preparation of documentation, including design files, BOMs, and test reports.
- Collaborate with cross-functional teams to support regulatory testing and compliance, specifically for FDA approvals.
- Work independently on assigned tasks with guidance and reviews from senior engineering staff.
- Opportunity to work on novel digital signal processing and machine learning algorithms for biomedical signals and diagnosis.

Qualifications & Skills:

- At least a Bachelor's degree in Electrical Engineering, Computer Engineering, Mechanical Engineering, Biomedical engineering or a related field.
- 1-3 years of experience in electrical hardware design and testing.
- Experience in PCB design software; Altium Designer preferred.
- Excellent problem-solving and debugging abilities and attention to detail.
- Curiosity to dive deep into challenging problems and design novel solutions that meet at the intersection of hardware, software, and algorithms development.
- Ability to manage multiple tasks simultaneously and meet project deadlines.
- Strong communication skills, both written and verbal, to support documentation and team collaboration.



- Familiarity with regulatory standards and experience with FDA testing protocols is a plus.
- Experience with CAD software for mechanical design purposes is a plus.

How to Apply:

Interested candidates should send a resume and cover letter demonstrating relevant experience to info@phasemargin.com. If relevant experience comes from course work, please include a description of the courses and type of you *individually* completed in your cover letter. We are an equal opportunity employer and encourage people of all backgrounds to apply. We celebrate diversity and are committed to creating an inclusive environment for all individuals.

About Us:

Phase Margin, Inc. is a full-service engineering services and design firm, focusing on multidisciplinary approaches to complex engineering problems. Our portfolio of projects and clients spans healthcare, energy, defense, and entertainment industries, and we deliver a wide array of services, including conceptual design, hardware development, mobile application and cloud development, IT infrastructure development and implementation, production support, and maintenance and operational support. Phase Margin is based in Woodland Hills, California, and is quickly expanding the core engineering team for upcoming projects.