



Job Description

Release Date: April 25, 2024

Position

- Job Title: Entry Level Electrical Design Engineer
- Department: Hardware Engineering
- Reports To: VP of Hardware Engineering

Job Summary

Candidate would be responsible for the design, development and implementation of technical products and systems. Candidate would also be involved in product support, requirements definition and product testing.

Essential Duties and Responsibilities

- Responsible for the design, development, and support of computer hardware for products and systems.
- Responsible for the following design phases of activity:
 - Definition of system requirements.
 - Hardware/Software architecture design.
 - VHDL programming for CPLD/FPGA design and schematic capture using Cadence OrCAD Capture.
 - Prototype Testing.
 - Troubleshoot hardware and software problems at the board and system level.
 - Investigate and research technical information and data necessary for design and development of products.
 - Support the testing effort of the product or system by developing test plans, and procedures.
 - Develop and validate user manuals and other technical documentation.
 - Provide engineering support to existing designs.
 - Interact with customers on a support basis or development phase of a product.
 - Be able to communicate questions or support information to customers.



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Qualifications

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Knowledge & Skills

- Have the confidence to work independently.
- Proficient in various toolsets:
- OrCAD Capture/PCB Editor.
- Altera Quartus II tools (or related FPGA/CPLD design tool set).
- Model Sim (hardware simulation toolset).
- Microsoft Office.

Education & Experience

- Bachelor's degree from four-year college or university in Electrical Engineering; Computer Engineering, Math, or Science or related field of study.
- Internship or 1-2 years related work experience and/or training preferred.

Other requirements

This job description is not intended to be all-inclusive. Employee may perform other related duties as negotiated to meet the ongoing needs of the organization. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Contact

To submit your CV or for further information e-mail employment@sunhillo.com. Alternatively, you may post your CV to the following address. Remember to identify the position you are applying for.

Human Resources
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