

Electrical Hardware Design Engineer

REQUIRED FOR AN INNOVATIVE SOLAR TECHNOLOGY DESIGN & MANUFACTURING COMPANY

Starting Date: Immediate (May 2024)

Location: Toronto

Discipline: Electrical Engineering or equivalent

Relevant Experience: 4+ years

Available Openings: 1 position, Full time



About Morgan Solar

Morgan Solar is a dynamic Toronto-based company, pioneering innovative solar products in the utility and urban building sectors to help the world decarbonize the two largest sources of global emissions. Our dynamic team has developed a range of hardware, software and analytic products that have been adopted by marquee customers. We're always on the look out for enthusiastic, dynamic, and innovative people. If you want to make a meaningful impact with your work and are passionate about solving climate change, come join our growing team!

About the Position

The Electrical Hardware Design Engineer is a key role in the Product Development team, primarily working on our platform of smart PV sensors and gateways. Your role will have lead responsibility for the PCB and test system design of our growing platform of proprietary sensors and gateways. You'll need to apply your strong knowledge and affinity for design and electrical engineering, and showcase your expertise in computer-aided design software and programming. You'll also need to collaborate with other teams to develop, test and manufacture IoT sensors and controllers for both existing and new products. In this fast-paced environment, we need proactive candidates who thrive on challenges.

Required Knowledge

- Design and develop application-specific electronic products
- Lead on schematic capture and PCB layout using tools like Altium
- Demonstrate familiarity with PCB design rules, including mixed-signal PCB design
- Familiarity with hardware development, validation testing and test system design
- Experience with DFM and PCB manufacturing processes
- Select, program and deployment of application-specific electronic systems
- Fluent in multiple programming languages such as Python and C
- Knowledge of RTOS such as Zephyr OS

Required Skills and Attributes

- Embrace the opportunity to learn quickly and adapt within a fast-paced environment
- Collaborate effectively with the team and be able to tackle projects independently
- Conduct research and stay updated with the latest industry trends and best practices
- Exhibit excellent communication & presentation skills, both verbal and written
- Demonstrate self-motivation and organization with exceptional attention to detail

- Ability to grasp both high level concepts and dynamics within complex systems as well as the ability to hone in and root cause / investigate detailed issues

Bonus Skills and Areas of Interest

- System design for low-power applications
- Experience with IOT Systems, embedded Linux, and Docker
- Understanding of electro-mechanical devices
- Experience with certification and compliance for new hardware products

Benefits

Para Medical, Dental, Vision, Life

To Apply

If you are passionate about driving sustainable energy solutions and possess the required skills and knowledge, we welcome your application for this exciting opportunity. Be a part of Morgan Solar's quest to advance solar technology and create a greener, more sustainable future.

Submit your resume to careers@morgansolar.com, quoting job reference number DE-240422.

Inclusion and Equal Opportunity Employment

MSI is an equal opportunity employer. We celebrate diversity and are committed to inclusion. We are pleased to consider all qualified applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veterans status, Aboriginal/Native American status or any other legally-protected factors. We recognize that some groups of people have been subjected to disadvantages with respect to communication, access to education, work placement opportunities, and other systemic barriers caused by racism, colonialism, and sexism. We commit to helping applicants and employees to advance despite those barriers. Disability-related accommodations during the application process are available upon request.

Morgan Solar Inc

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