Hardware (Electronics) Designer

Company Overview

Gastronomous is a fast-paced, dynamic start-up focused on revolutionizing how food is prepared and enjoyed worldwide! Having developed Canada's first [fully autonomous kitchen](), Gastronomous realizes the "Kitchen of the Future" through advanced industrial automation techniques and cutting-edge technologies.

We are a no-nonsense team of passionate people with a bias for action. We know that our ability to execute on our ideas is what sets us apart. We do what we say we are going to do, externally and internally. We trust our people to act independently and make practical, real-world decisions.

If you are passionate about developing meaningful technology that creates meaningful solutions, then Gastronomous is the place for you! By joining our team, you will be immersed in a dynamic and thought-provoking environment that tests your capabilities and pushes you to new heights.

Gastronomous is looking for a **Hardware (Electronics) Designer** who will be a central part of our core engineering team and will work closely with the mechanical and software teams. This role is geared towards an individual with a can-do attitude and demonstrated passion for innovative technology as well as research & development.

What You'll Do:
- Develop and maintain electrical designs (PCB/PCBAs, cables/wire harness, panel wiring diagrams)
- Select components for electronics panel
- Maintain and update BoM and supporting calculations of project decisions
- Perform calculations for component and machine specifications
- Design, implement and test software for embedded devices and systems ensuring end-to end software development from requirements to production deployment
- Review and assist in electrical certification process
- Assist in assembling wire harnesses
- Assist in assembling industrial electrical panels
- Basic PCB manufacturing
- Communicate with component vendors and contractors
- Manage inventory of electrical components
- Assist in building engineering prototypes

Knowledge, Skills, and Abilities for Success:

- BS degree in Computer Engineering, Electrical / Electronics Engineering, or equivalent qualifications
- Experience working with industrial electronic components
- Experience designing circuit diagrams and performing electrical calculations
- Ability to react and adapt quickly to assist in getting prototypes functional
- Experience soldering, crimping, and use of standard electrical testing tools
- Basic understanding of microcontrollers
- Strong debugging and troubleshoot skills

Preferred Skills and Experience:

- Experience in robotics and machine automation.
- PCB design and build experience
- Familiarity with communication busses (USB, Ethernet, TCP, Modbus, CAN, etc.)
- Experience building electronics in a robotics/automation applications
- Experience scaling up manufacturing and supporting contract manufacturers

Soft Skills:

- Must be able to communicate thoughts and ideas effectively.
- Must be able to work independently and with a multidisciplinary team.
- Organized and efficient, able to self-manage projects and present deliverables on time or communicate delays.
- Detail oriented with regards to machine development
- Ability to work in a collaborative team environment and effectively communicate complex technical concepts.
- Strong problem-solving skills, attention to detail, and a passion for creating innovative robotics solutions.

This is a full-time position with a competitive salary and benefits package. If you are passionate about robotics and have a strong desire to build products of the future, please apply today.

We look forward to reading every application and welcoming a new, bright mind to Gastronomous shortly!

If interested, please send your resume and any other relevant information to:
careers@gastronomous.ca

GASTRONOMOUS