



Controls Engineer

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 (<https://youtu.be/KUXX4v16qAA>), Gastronomous realizes the "Kitchen of the Future" through advanced industrial automation techniques and cutting-edge technologies. This is just the beginning! Gastronomous is developing a network of interconnected, IoT-enabled, smart machines which will be released in a few months' time!

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 **Controls Engineer** who will directly work alongside specialists in mechanical design, electrical, and software engineering to bring our solutions to life!

What You'll do:

- Develop and maintain electrical designs (PCB/PCBAs, cables, panel wiring diagrams)
- Build test platforms for prototyping new machines and mechanisms to verify code functionality
- Select appropriate sensors, design algorithms for controlling the products' movements, and integrate the control system with the products' hardware and software
- Coordinate with hardware engineers and other staff to forecast whether the design will be feasible under cost and time constraints
- Develop embedded code to allow communication to the products' components
- Maintain and update BOM and supporting calculations of project decisions
- Perform hardware validation and verification
- Lead compliance efforts related to electrical safety standards
- Perform electrical debugging and troubleshooting as needed
- Able to work under pressure while managing competing demands and tight deadlines



Knowledge, Skills, and Abilities for Success:

- Extensive experience with hardware design and volume manufacturing, preferably for robotics applications
- Experience generating and maintaining supporting documentation for designs
- Experience with embedded software development in C/C++
- Experience working in a Linux environment
- Experience with PCB layout and schematic capture software
- Experience with soldering, crimping, and using standard electrical test tools
- Strong debugging and troubleshooting skills

Nice to Have:

- Experience with SolidWorks
- Knowledge of ROS2
- Familiarity with communication busses (USB, Ethernet, Modbus)
- Experience controlling motors with advanced ramping and feed

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

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