Job Description: Embedded Software Engineer

SwineTech Inc. is looking for a full-time embedded software engineer to support initial product development, production testing, and ongoing support. SwineTech is a provider of technology to the swine industry that utilizes artificial intelligence to increase per-sow productivity through a decrease in the piglet mortality rate, as well as providing health tracking for livestock.

We are seeking candidates with the following skillsets:

- Detail oriented and data driven
- Well organized with a focus on quality
- Learns quickly, experiments often, yet adheres to proven methods
- Works steadily and diligently to ensure a project is fully realized
- Is empathetic and can relate well to others

Software Responsibilities - you have done most of these or would love to learn

- Code development in C/C++ for various microcontrollers
- Audio processing algorithm development and testing for squeal detection
- Implemented communication protocols ranging from i2c to TCP/IP to reliably pass data
- Developed test harness or scripting to monitor system performance
- Collaborative development using version management with tools such as GIT
- Agile project management
- Work with different IDEs, compilers, and debugger toolchains
- Not afraid to troubleshoot circuits with multi-meters, oscilloscopes, logic analyzers, network analyzers, etc.
- Configured wireless radio stacks such as ZigBee, Thread, WiFi, Bluetooth, etc.

Requirements

- Bachelor’s Degree in Software Engineering, Information Technology, Math, Science, or other Engineering
- Proven aptitude for writing amazing software
- A deep passion for software development and engineering

You will obviously need to work in a fast-paced environment. While you can expect constant change, we are very focused on our vision and values. We value process but not at the expense of personal interaction and are looking for someone that can take ownership of defining structure. Apply now and let’s start a conversation about our future together.