Senior Embedded Software Engineer - Guildford

We created Inovo Robotics to make capable, versatile, robotics accessible to the industry sectors that have been left behind. We address the problems growing businesses have competing with corporates who mass produce their products, allowing smaller businesses to automate repetitive, dull and hazardous tasks so they can be more productive and compete with overseas suppliers.

We truly believe there is a better way of doing things and want to free our users from the monotony of the repetitive tasks they spend too much time doing so they can focus them on more valuable and rewarding work. We believe in putting our users in control by providing intuitive, easy to use interfaces is key, allowing them to configuring our robots for their specific tasks as easily as possible. We are passionate in our belief that humans and robots can work together in a more productive world!

We are seeking an embedded software engineer with experience in control systems, you will have at least 6 years' commercial experience developing embedded system at bare metal level as well as having worked with 32-bit microcontrollers. Someone who is passionate about engineering and excited about working in a fast-paced environment with a growing team. The desire to take ownership for parts of the system and see it develop into a production product is highly valued.

The Team

This is an exciting opportunity to join a small team of highly skilled, passionate engineers on a brand-new greenfield project building an advanced electro-mechanical product from the ground up. This will give you the opportunity to have a real impact on our core product from day one you will be playing a huge part in the success of Inovo.

You will be tasked on a day to day with developing a range of sensory feedback and low-level BLDC motor control systems, for our core product, working with a cross functional teams including electronics engineers to UI/Front End Developers to build bespoke software that powers our core product.

What we would like to see on your CV

- Solid C and C++ experience with good coding standard and version control practice
- Experienced with a range of 32-bit microcontrollers ideals ARM Cortex STM32.
- Board level debugging with including use of Oscilloscope and Logic analysers
- Ability to implement peripherals interfaces including I2C, SPI, UART, CAN, ADC
- Familiar with CAN, RS485 and Ethernet protocol analysers
- Experience of BLDC motor control principal's desirable.
- Control theory background (PID, feedback, feedforward)

Non technical Attributes that we like

You will be self motivated, passionate and creative you won't be afraid to push the boundaries of technology, with the ability to translate non-technical objectives into design requirements, we seek someone with the ability to approach their work in a methodical way with analytical questioning. Whilst having all of the above is great it is important that you have the ability to thrive within an early stages start-up environment.

So what next? If we have your attention take a look over our careers page using the following link

https://inovorobotics.com/careers/