

CAMBUSTION LTD.

Cambustion is a medium-sized company based in Cambridge. For the last 30 years we have been developing and producing the fastest pollutant gas analysers in the world, used by major manufacturers and research institutions all over the world for research and development into emissions reduction. We now produce a range of products used in the aerosol and emissions research areas, and conduct emissions reduction development for the automotive industry.

Cambustion is employee owned and works closely with universities in the UK on a wide range of research projects.

EMBEDDED SOFTWARE ENGINEER

We have a vacancy for a programmer working in a small development team on new and existing instruments. Platforms for development extend from microcontrollers to .NET interfaces running on a PC.

You would be the lead programmer for our DPG product line, working alongside mechanical and electronic engineers in the continuing development of this product, particularly interface enhancements. New product development will mainly be embedded code in ARM Cortex-M microcontrollers.

Skills & Qualifications

Candidates should possess:

- Familiarity with programming .NET applications in C# (Microsoft Visual Studio).
- Experience of embedded microcontroller programming.
- A good understanding of the interactions between embedded software and hardware behaviour.

Familiarity with the Keil μ Vision IDE or other ARM Cortex microcontroller development would be an advantage.

Job functions

The main functions of the role will include

- Implementing continuing improvements to existing .NET instrument control software to support new hardware, additional functionality and customer requirements.
There will be an opportunity to lead a refactoring of this software early on in the role.
- Development of embedded software for new products, principally on STM Cortex-M microcontrollers, in the Keil IDE.
- Development of internal for support production and support of these products, in Python or other platforms.

Salary + Benefits

In the region of **£40k** depending on skills and experience.

+ Profit Share (variable, but typically 10% of salary in recent years)

- 25 days holiday
- Workplace Pension
- Income protection insurance
- Death in service benefit
- Tax free childcare scheme
- Cycle to work scheme.

Application / Further Information

To apply please email careers@cambustion.com with a CV and covering letter.