Company Overview

Global Inkjet Systems (GIS) is a division of Nano Dimension, and we are an awarding-winning global leader in the development and supply of application software, electronics, and ink system components into the industrial inkjet printing market. Our focus is on designing tailored next generation software, advanced printing system components, and providing services for our customers worldwide, such as direct to shape printing, inkjet hardware components and 3D printing.

We foster a friendly culture for people to work collaboratively towards success, communicate openly to challenge the norm and nurture people to create future thought leaders.

The role

GIS has an exciting opportunity for an Embedded Software Developer (C++) to join our growing multi-disciplinary engineering team based in North Cambridge. Our Embedded Software Developers are involved in a wide range of projects across product development, printer head drivers, ink systems and larger additively manufactured electronics (AME). You'll work with product and project managers across hardware, software, mechanical and logic teams to prioritise features on customer applications that strengthen our links with end-users and integrators.

You'll be challenged, but you'll learn, develop, and grow with some of the best in the industry, delivering quality products that revolutionise the way our clients approach printing and providing solutions to the most complex printing questions.

Requirements

- Strong academic background in Science, Technology, Computer Science, or appropriate Engineering Degree.
- Commercial experience of at least C++17
- Knowledge of CMake / MS Visual Studio / Eclipse toolchains
- Development for Embedded Linux / Microsoft Windows
- Appreciation of coding styles and high-level object-orientated design
- Comfortable with thread safe and parallel architectures
- Significant experience of hardware interaction (e.g. SoC, ARM, driver development, I2C, SPI, USB, Ethernet etc.)
- Altera/Intel CycloneV/Arria/Stratix or Xilinx Zynq SoC experience ideal
- Ability to read and interpret circuit diagrams
- A willingness to travel, when required.

Desirable Skills and Experience

- Basic network programming (TCP/IP, sockets, Ethernet)
- REST / SOA architectures
- Scripting (Python, shell etc.)
- Alternative programming languages (.NET, C#, Visual Basic)
- Experience of code optimisation (assembly-level optimisation desirable)
- Writing technical documentation and test procedures

- Customer facing (e.g., to help with detailed integration issues / debugging)
- Experience with inkjet printing
- Working with FPGAs
- Knowledge of Linux services and packaging
- Full UK drivers licence

In addition to a competitive salary, we offer the following:

- Pension contributions
- Private health insurance
- Life insurance
- Company-funded staff kitchen with snacks, chocolate, drinks and fruit
- Company-funded social events
- Company-funded Charity Committee
- 25 days annual leave
- Cycle-to-work scheme
- Friendly work environment