LabVIEW Software Engineer

Semiconductor devices provide the foundations on which progress in the technology sector are enabled. From Smartphones to Artificial Intelligence, 5G communications to autonomous vehicles, all are made possible through advances in semiconductor processes. Scaling these processes requires sub-nanometer measurement of increasingly complex 3D structures to enable more powerful devices. At **Infinitesima** we have pioneered a revolutionary atomic precision 3D metrology technology which has been qualified by leading companies in the semiconductor industry and we believe is essential for continued progress. To quote Lord Kelvin, *'If you can't measure it you can't improve it!'*. Come and join our dynamic team to enable the semiconductors for tomorrow's technological developments.

Are you an experienced Software Engineer looking for an exciting opportunity to play a key role in developing software for world-class, cutting-edge metrology products?

Location: Abingdon
Reporting to: LabVIEW Software Manager

The Opportunity:

The position of LabVIEW Software Engineer is part of Infinitesima's cross-functional engineering team. You will be part of a tight knit software group working on real-time machine control, automation, algorithm implementation and delivering key functionality for our RPM systems.

Key Responsibilities:

- Develop LabVIEW software to run the National Instruments Real Time computer to deliver required functionality
- Produce high quality design documentation to support the code being developed.
- Work closely with the SQA team to deliver software with a customer focus
- Collaborate effectively as part of an integrated software team whilst also being able to work independently.
- Work across functions (Systems Engineering, Applications, R&D, Electronics) to help identify issues and guide the optimal technology choices, architectures, and implementation

Personal Qualities:

- Good written and spoken English
- Collaborative and proactive

Education:

- Degree educated in a relevant STEM subject or relevant industrial experience

Qualifications:

Essential
- Software experience using LabVIEW
- Experience writing code that interacts with hardware systems
- Experience in writing LabVIEW code in an industrial area
- Experience using source control e.g. Git
- Understanding of metrology

Desirable
- LabVIEW Certification (CLAD/CLD)
- Experience working within a team of developers
- Experience working with NI Real Time and FPGA
- Understanding of object-oriented programming
- Software experience using C# or python

(We'd love to hear from you if you tick some of the above – we're not expecting candidates to have deep experience in all of them).

Benefits:

In addition to a competitive salary and an annual bonus. Infinitesima offers flexible working hours, hybrid working, 25 days annual leave, death in service and private health care benefits, personal pension contributions of 4% with salary sacrifice and a generous EMI Share scheme.

All qualified applicants will receive consideration for employment without regard to race, colour, religion, sex, sexual orientation, gender identity, national origin, or disability.

Note to recruitment agencies: Infinitesima Ltd only works with approved agencies and does not accept unsolicited agency CVs. Please do not submit candidate details in response to this advert, or to any Infinitesima Ltd employees. Infinitesima Ltd is not responsible for any fees related to unsolicited CVs.