



Electron Microscopy Application Engineer £35-42.5k + bonus + benefits

Quantum Detectors is a spinout from Diamond Light Source, based at Harwell Campus. We develop technology and provide a route to market for instrumentation developed by the Detector Group at Diamond and other internationally renowned institutions. Our well respected products are installed at prestigious research facilities around the world.

The successful candidate will join a vibrant team who are passionate about distributing cutting edge technology to the world's leading laboratories. Global travel is a part of this role, with up to 30% of their time being spent in locations commonly including Western Europe, North America, China and Japan. The candidate will have significant experience in the field of Electron Microscopy, either from industry or from academia.

This role will involve technical work at the Rutherford Appleton Laboratory site as well as installation, troubleshooting and demonstration of Quantum Detectors' products around the world. The position requires close interaction with a range of existing staff with different backgrounds, so good communication skills are essential.

Your role will be spread across three areas of responsibility:

A communication element:

- Translate recent publications into effective information for the Sales team
- Work on conference materials such as posters and oral presentations
- Lend applications expertise to Sales and Technical Teams
- Attend conferences to discuss applications with scientists at the booth and garner future developments in the field

A scientist facing role:

- Conduct detector installation and acceptance testing at customer facilities
- Perform training in and demonstrations of our technology, locally or remotely
- Work with scientists on experiments and new applications
- Determine requirements for improvements to our software and hardware products
- Monitor emerging technology in the field.
- Contribute to future requirements for technical developments

Software (if relevant skills are available):

- Implement and test existing data acquisition and analysis tools
- Develop concepts for new analysis tools
- Work with the Tech Team to implement these improvements as appropriate

Essential Qualifications & Experience:

- Experience in the field of Electron Microscopy, preferably Material Science discipline
- Good interpersonal skills and communication
- Ability to work as part of a multidisciplinary team
- Self motivated and keen attention to details
- Enthusiastic to travel independently for QD
- Must be eligible to work in the EU

Desirable Qualifications & Experience:

- Programming experience (python, C++, matlab, VHDL)
- Experience using Linux, Windows and Mac OS as an administrator
- Experience in the use of electronic test equipment (Multimeters, Oscilloscopes etc.)
- General knowledge of particle detection techniques and readout electronics

Further Information

- Must be available to travel within the UK and abroad, including overnight absences
- Must have the flexibility to adapt to the challenges and opportunities presented by working for a small company

As part of a fast growing company you will be expected to have an all hands on deck attitude to work. Your role and responsibilities will be dictated by the business needs and will at times be outside of those detailed above.

The successful candidate will become part of a supportive team, will be allowed to work from home extensively when appropriate and be based at either of our primary offices: Harwell Campus or Manchester city centre.

This is initially a permanent position. It offers a flexible 35 hour working week, 30 days holiday and a generous pension contribution. The package includes high-spec phone and laptop.

If you are interested, please submit a CV and letter describing why this job appeals to you and what differentiates you from other candidates to: careers@quantumdetectors.com.