CONSULTANT

Adelard exists to provide independent and technically sound advice on how to engineer and assure the trustworthiness of computer-based systems.

We are a small but influential consultancy working in the nuclear, medical, defence, finance, air traffic control and rail sectors and in critical infrastructure protection.

Adelard has vacancies for Consultants, based in London.

The role

We are looking for people to work in some of the following areas:

- **Software and system analysis and modelling**: We analyse and model software-based systems using various techniques. The analysis may be based on design documentation as well as on the source code. We apply modern analysis techniques to real world software systems. The techniques include formal methods, model checking, static analysis (control and data flow, semantic analysis, integrity and concurrency analysis) as well as statistical analysis of field data and a variety of testing techniques. The work involves both the engineering of tools as well as their application.

- **Safety and security assessment**: We contribute to the assurance of our clients’ projects by assisting with hazard analysis, providing independent advice, and reviewing their safety and security cases. We assess the behaviour of some of the interesting and important computer-based systems in operation today. Our new employees often do not have a safety or security background - we will provide suitable training in-house for anyone with technical aptitude. Having capability and the right attitude is more important than domain knowledge.

- **Research**: We research ways of building safety and assurance cases that are valid and believable, using techniques from graphical languages to logic. We are also at the leading edge of research in software analysis techniques, and we put our research into practice.

- **Software development**: We have a market leading safety case product ASCE that will continue to evolve and our analysis and research involves the building of bespoke tools, plug-ins and models.

You will need a good degree in a relevant subject (computer science, mathematics, physics etc) and most of us have Masters degrees or PhDs. You should like computers and understand how they work. You should be able to write well and present technical material clearly. You must be capable of weighing diverse opinions, providing advice that is firmly based on an understanding of policy and precedent, and when appropriate, defend that advice in a firm but non-confrontational way.

As the work might involve classified information, you should have or be qualified to obtain UK security clearance.

The position will involve travel within the UK, and in some cases to Europe and the US.

Why Adelard?

At Adelard you will be working within an interdisciplinary consultancy of international standing. We are a small firm, so we are a flexible and dynamic place to work with minimal bureaucracy. You will be able to influence the company’s development and have easy access to senior staff. Staff are encouraged to be innovative and the company responds quickly to change.

Adelard’s diverse interests mean that staff at Adelard work on several projects at once, often in several different industries.

Salary will be in the range £28,000 to £40,000 plus benefits, depending on experience.
To apply please submit a CV, and a letter of support (citing at least two referees) to Victoria Raven at office@adelard.com. Your application should explicitly make clear how you satisfy the above requirements. Closing date is March 20th 2015 and applications received after this date may not be considered. Earlier applications may be processed before the closing date.

For further information, or to discuss this position informally, contact Sofia Guerra (aslg@adelard.com) or Robin Bloomfield (rebb@adelard.com).