

Biometrics technical specialist

Reference: IBL/22/BTS-E1

Location: Canterbury & home working

Contract type: Permanent

Working pattern: Flexible working / full-time / job share

Salary: £37,5000 - £45,0000 depending on experience

Application closing date: Ongoing recruitment

Start date: Ongoing recruitment

Background

Ingenium Biometrics Laboratory (IBL) is the UK's only independent biometrics testing laboratory offering a range of services from testing, research and development, consultancy, and training. Our experts have over 50 years combined experience in performance and security testing of biometric systems and are recognised as global leaders in biometrics and cybersecurity; evaluating and testing biometric systems, advising governments, international development bodies, and private industry on policy, strategy, and the ethical use of biometric systems.

At Ingenium, we believe that biometric technology can make a positive difference to countries, industries and users. The use of biometrics to verify identity and prevent digital fraud is growing, but questions remain about their performance - we help clients use biometrics effectively by leveraging our deep expertise in policy, technology and markets with practical insights to help clients solve their challenges. We work with a wide variety of biometric companies, academic institutions and some of the biggest users of biometrics in the country.

We are an inclusive employer

We are building a brilliant place to work where our people feel valued, have a voice and can be their authentic selves. We value difference and diversity, not only because it will help us be innovative and make better decision-makers but fundamentally because we believe it is the right thing to do.

We offer great flexible working benefits, excellent employee well-being support and pension. We will support talented people from all backgrounds to build a career and thrive.

We actively welcome applications from anyone who shares our commitment to inclusion. We will fully support candidates with a disability or long-term condition who require adjustments in our recruitment process.

Job description

Successful candidates can expect to be involved in a range of work in the area of investigating and evaluating the performance and security of biometrics systems.

The role requires an understanding of business requirements, client use cases, and technical implementations.

The role will work in a range of technologies including programming, 3D printing, laser etching, 3D and VR systems and cybersecurity.

You will:

- perform biometric presentation attacks (often known as "spoofing")
- produce artefacts to be used in presentation attacks
- develop new attack methods to evaluate the performance and security of biometric systems
- provide expertise and support to Ingenium's customers

This is a fantastic opportunity to work alongside global experts in the field of biometrics on a variety of projects spanning both the public sector and private industry.

Successful candidates must pass a disclosure and barring security check.

Responsibilities

- Testing of biometric products to understand their effectiveness
- Provide insights into specific products under test and wider technology
- Help to advance in-house test frameworks, applications and develop reference implementations of biometric systems to support us and our clients
- Support the testing of biometric systems
- Produce test reports, track issues and drive resolutions throughout the testing process
- Support the production of test artefacts for "spoofing" biometric systems
- Continuously maintain internal documentation to ensure accuracy and relevancy

- Help develop new methods and techniques for robustly capturing a biometric sample in order to create new test artefacts
- Research emerging biometric presentation attack detection methods
- Take a leading role in product and service innovation

Skills and experience

This is a role for recent graduates with a 2:1 or above (or with equivalent experience); MSc or PhD graduates.

You will:

- be self motivated and able to work autonomously and as part of a team
- be an independent thinker
- be interested in technology, cyber security
- be willing to learn new subject areas
- have good attention to detail and ability to analyse information from various sources and produce reports, recommendations and results
- have good communication and interpersonal skills both written and verbal
- be able to manage your own workload to ensure work is delivered based on deadlines and agreed priorities
- be able to work with a diverse range of stakeholders
- be proactive and comfortable making recommendations and presenting new ideas

The ideal candidate will have experience or conducted research in the area(s) of computer science, information systems, or material science. Experience of working in biometrics is beneficial but not essential - candidates can demonstrate an interest to learn about the subject.

The role will have a blended location between the laboratory facilities in Canterbury and working from home, with occasional work from client sites and central London.

Candidates must have permission to work in the UK without visa sponsorship.

Benefits

We offer a competitive mix of benefits including:

- a culture of flexible working, such as job sharing, home working and compressed hours
- a company pension scheme
- 30 days (pro-rata) of paid annual leave (this includes bank holidays except Christmas day, Boxing day and New Years day)

- a fantastic range of learning & professional development opportunities
- a hybrid office/home based working model, dependent on project requirements
- access to gym and sports centre facilities at our laboratory site