



ESPA Electronic Engineer - semiconductor test Internship

(PRAEE2411)

Apply here

Start date

As soon as possible

Duration

6 months

Languages

Good spoken and written English levels are required (B2 onwards)

Location

North East England
North East England has produced many brilliant people, ideas, inventions, and innovations that are responsible for changing the world. This area of England boasts more than just scenic panoramas and beautiful cities, it is home to some of the best companies, universities, and innovation centres in the country.

Are you eligible?

Are you a registered student?
Or

Are you eligible to participate in the Erasmus+ programme?

Benefits

See website for details of all ESPA benefits. For all internships over 6 months, additional benefits will be paid. Details available at interview.

Role

This is a fantastic opportunity for an inquisitive electronic engineering student to gain hands on experience, at this world leader in ultra-low-cost flexible electronics. Mentored throughout you will evaluate the performance of their cutting-edge semiconductor devices. The project will be based within the R&D team and will involve characterising the behaviour of the hosts novel flexible integrated circuits, across a range for voltages and frequencies. Results of this work will go on to inform the design of the next generation of flexible integrated circuits. If you have ambitions to translate research into real world solutions, then this is the internship for you. A truly rewarding experience that will add value to your CV and boost your career prospects.

Tasks

- Individual device characterisation (I-V, C-V, C-F)
- Digital & Analogue circuit characterisation
- Data analysis and visualisation
- PCB design and assembly

Personal Skills

- Relevant degree in Electronics, Engineering, Physics or equivalent
- Experience controlling instruments in Python or LabVIEW Experience analysing data in Python, R or similar
- Experience working with electronics lab equipment: PSUs, Oscilloscopes, Pattern Generators, SMUs, LCRs, ...
- Knowledge of semiconductor device physics
- Excellent communication skills

The Host Company

This award-winning host's novel products are being adopted by a growing base of global companies across diverse markets, including consumer goods, games, retail, pharmaceutical and security. With a billion-unit production facility, the host company's unique, patented technology platform opens up the opportunity to invent entirely new applications for electronics. Their mission is to create more connectivity, create more designs and create more devices. With staff from over a dozen countries, covering 5 continents, the company culture promotes an open and collaborative environment, committed to delivering a new generation of electronics to address real world issues.