



Apply here

Start date

Flexible

Duration

6-12 Months

Languages

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

Location

Bath, England

The setting is a UNESCO world heritage site in the South West of England. It is one of only two European cities with this status (the other being Venice). The world-famous [Roman Baths](#) and [other attractions](#) bring 4.5 Million visitors per year and a very international feel. The city also hosts two great universities. It has wonderful cultural experiences and [festivals](#) throughout the year.

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 an exciting opportunity for a proactive electronics engineer to work with the latest mobile technology. Mentored throughout, you will focus on the development of electronic hardware and algorithms for 4G and 5G mobile wireless infrastructure. Your activities will include, but not be limited to, the design, test and control of analog and digital circuits, including power supplies. For the selected candidate, this is an amazing chance to gain hands on experience at the forefront of mobile technology and a real boost to future aspirations

Tasks

- Interact with the team members to design and simulate operation of a schematic and to work with PCB CAD engineers to lay-out and third-party contractors to fabricate and assemble a PCB
- Test the PCB using lab test equipment such as power supplies, function generators and oscilloscopes
- Support development of both Field Programmable Gate Arrays (FPGA) and software for automation/manual test capability including debug/analysis of hardware, software development for debug tools and instrument software drivers
- Insert the PCB into a complete transmitter line-up and characterize performance of the circuit as part of a complete system, including optimization of algorithms in MATLAB. Document the results.

Desired Skills

- Studying for, or recently completed, Bachelor or Master's degree in Electronic Engineering or similar
- Understanding of design, test and control of analog and digital circuits, including power supplies
- Self-motivated, result-oriented, good teamwork and communication skills
- Good problem solving and leadership attributes.

Familiarity with;

- Bench-level test and modification of PCBs, including soldering
- Test equipment for example, oscilloscopes, RF signal generators, RF spectrum analyzers
- Engineering software for example, [LTspice](#), Python and MATLAB.

The Host Company

This established host company is a world leader in the design, manufacture, and marketing of a broad portfolio of high performance analog, mixed-signal and digital signal processing (DSP) integrated circuits (ICs) used in virtually all types of electronic equipment. They form part of a 75 strong group of companies and now seeking talented individuals for a great learning and development experience in the beautiful city of Bath.