



## Apply here

### Start date

September 2023

### Duration

6 months

### Languages

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

### Location

Reading, England

This increasingly important centre for business and development, is a bustling mix of clubs, eateries and shops. It also offers sporting opportunities across the spectrum and has a diverse multicultural and welcoming reputation. With London just 25 minutes away on the train, Reading is a great (large) town to be located.

### Are you eligible?

Are you a registered student?

Or

Are you eligible to participate in the Erasmus+ programme, graduated with grant funding?

### 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 unique opportunity for an enthusiastic and passionate electronic engineer, who has a *love of technology*, to gain hands on experience at this pioneering host company. Mentored throughout by the hardware engineer, you will support the development of a new generation of portable, hand-held diagnostic, medical devices. This host is at the forefront of cutting-edge technology and has an incredible team of people. Expanding at a rapid pace, they are looking for *trailblazers, visionaries and the naturally inquisitive* to contribute to their success. If this sounds like you and you are excited about the prospect of making a real difference to people's health, apply today for the chance to be part of their journey. You can expect to be involved in many aspects across the business, that will significantly broaden your experience. What a great addition to your CV and future career!

## Tasks

- Support the hardware development of ARM-based devices, PIC microcontrollers and PIC32 devices
- Work with the team to define the design requirements
- Generate project related information e.g PCB engineering drawings, flow diagrams
- Work with the team to implement the designs from concept through to manufacture
- Assist with the electronic platform specification
- Build, test and debug electronic systems

## Personal Skills

- Studying for a degree in electronic engineering or similar
- Experience developing hardware for embedded applications
- Broad knowledge of engineering principles, including mathematics
- Experience of **schematic** design and layout of multilayer PCBAs
- Use of CAD software for example Altium, Eagle PCB or OrCAD
- Self-motivated, persistent and collaborative with a keen eye for detail
- Able to work independently or as part of a team and an excellent communicator

## The Host Company

The host company is pioneering ground-breaking technological solutions to alleviate some of the greatest healthcare challenges by developing technology that takes instant health diagnostic information simply by looking in the eye. With a world-leading team of experts, 9 international patents and more pending, their innovative range of products will improve the lives of millions of people. Healthcare challenges are there to be solved and this host company has the vision and the technical ability to succeed. The aim is for their non-contact, mobile diagnostic devices to make repetitive, invasive monitoring a thing of the past.