

**ESPA**

# Robotics and Mechatronics Engineering Internship

(KWSRM2510)

## Apply here

### Start date

Flexible

### Duration

6 months

### Languages

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

### Location

Buckingham, England

Buckingham is a vibrant, picturesque university town, where there are numerous places to eat, drink and socialise. Situated in the Heart of England on the borders of Oxfordshire, Northamptonshire and Buckinghamshire, it is conveniently located to explore the countryside with the capital, London, being only an hour's train ride away.

### 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 outstanding opportunity for a proactive Engineer of Mechatronics and Robotics to gain hands on experience within this innovative company. Mentored throughout, you will assist in designing and developing advanced technological products through to prototyping and production, often starting with a simple idea. Given responsibility early on this is a great chance to shine and showcase your engineering ability.

This experience will be a valuable addition to your CV and is a potential launchpad to an amazing career.

## Tasks

- You will be working with the control and automations engineer to develop control applications
- Machine control system design using standard PLC programming languages defined in IEC 61131-3 Languages (such as Twincat 3)
- You will assist the project team to deliver the automation aspects of projects
- You will attend internal and external project meetings
- You may be given your own small projects (with guidance and support)

## Personal Skills

### Essential:

- Master in Mechatronic and Robotic Engineering or Master in related fields.
- Labview experience
- Knowledge of Codesys and other programming languages
- Knowledge of control, control engineering, automation or similar
- Mechanical sympathies- an appreciation of the interface between electrical control and the physical world

### Personality:

- Self-motivated, well organised, flexible, resilient
- Creative problem solvers with strong lateral thinking skills
- Out of the box thinker to identify new solutions
- Keen interest in new technologies

## The Host Company

This innovative host company is a high-performance design and engineering solution provider working across a wide range of sectors. They deliver diverse projects from R&D development printers for digital fabrication to wind tunnels for performance sports and reverse engineering for historic motorsport. Whilst retaining their core customers and capabilities from motorsport, this company works in automotive, motorsport, defence, medical and high-performance sport. All their projects are unique and one-off. They use composites, additive manufacturing and automation and good old-fashioned engineering to provide solutions to our customers.