



# 6 Month Robotics and Mechatronics Engineering Internship (KWSRM0803)

## **PLEASE READ CAREFULLY BEFORE CONTINUING.**

European Student Placement Agency, Ltd (ESPA UK) is a recruitment agency whose goal is to find high quality internships for European students in the UK. We work closely with our host companies to ensure the positions provide the candidates with a great experience, both professional and personal.

**REQUIREMENTS:** ESPA vacancies are open to all EU passport holders able to travel to the UK for an educational work placement, without the need for visa documents. You have to be a registered student and/or have Erasmus+ status to be eligible for our internships. Any student who is unsure of their situation should check with their university before applying. Non-EU students can also apply if they are studying in the EU and can get an Erasmus+ grant/status for the entire length of the internship.

**All interns coming to the UK for an internship experience must have work place accident insurance which covers them for the internship.**

**BENEFITS:** All ESPA's services are **free** for students and alumni. The benefits are:

- 1) Paid Accommodation.
- 2) Paid Utility Bills (electricity, gas, water and council tax) + Internet Access
- 3) Commuter travel to work (accommodation will be found within an acceptable commuting distance from the workplace, if that requires more than a sensible walk then a bus/train ticket will be provided).

This will be sourced and managed on your behalf by ESPA. **These benefits have an approximate value of 700€-1000€ per month (depending on location).**

There is no salary over and above the benefits offered, unless specifically stated.

**To know more, please visit:** [www.espauk.com](http://www.espauk.com)

## The Host Company

This 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.

## Role

This host company is looking for a mechanical design engineer intern who is a creative problem solver, keen to take this opportunity and learn as much as they can and someone who can work well in a team with people at all levels. As their business is growing they are keen to work with and develop future potential talent.

## Location

Brackley, Northamptonshire

## Start date

Flexible

## Duration

6 months

## Languages

English should be B2/C1

## Tasks

From the start, you will have the opportunity to have an impact on the solution we offer our clients. The range of projects you will get involved in will be diverse and you will be hands on from day one. As your confidence and skills increase you will be exposed to greater responsibility. The role would suit someone who wants to be involved in the full project life cycle.

- 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 and control engineering
- Experience of and interest in **programming and automation**
- 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
- Can think outside the box

## How to apply

**STEP 1)** Please, register with us at <http://www.espauk.com/students/student-registration/>

**STEP 2)** Please, log in to your account in <http://www.espauk.com/students/student-application/> and then click on the button **APPLY** next to the vacancy name.

If you have any problems applying for this vacancy please email us at: [apply@espauk.com](mailto:apply@espauk.com) and in the subject please indicate the Name + the code of the vacancy you have issues to apply to.