



## 6 Month Automotive Engineering – Computer Modelling

(CASC Mo8o3)

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

ESPA or European Student Placement Agency 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 students 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 still be a student or have graduated in the last 12 months. Any student who is unsure of their visa situation should check with their university before applying.

**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

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

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

To know more, please visit: <http://www.espauk.com/>

## The Host Company

Our client is a **world leader in the field of automotive and industrial lubricants**. The company is headquartered in the UK and operates directly in over 40 countries, employing approximately 7,000 staff worldwide. It works closely with leading industry automotive OEMs (Original Equipment Manufacturers). And its network extends throughout 140 countries, partnering with over 2000 distributors and agents.

As an industry leader, they are constantly striving for excellence by creating products that meet the precise needs of their customers. They thrive on breaking records. Pushing their company into the future and beyond. Currently the company is working on a new revolutionary technology that marks one of the most significant oil change innovations in automotive history. A system which offers manufacturers and motorists three primary benefits in CO<sub>2</sub> reduction, sustainability and servicing.

## The Role

The company seeks to recruit a motivated and enthusiastic **Automotive / Mechanical Engineering student or recent graduate**, who wish to apply their specific skills and expertise in a progressive and challenging environment.

The candidate will **help to develop this ground-breaking technology innovation** within the company's core product offering through **a combination of individual and team based tasks**.

The role will be based in a **newly commissioned business incubator and workshop**. The candidate should be open to working in an exciting and engaging open innovation space.

The successful candidate will **work on challenging assignments** and will **receive the necessary training and development** to achieve a successful and rewarding internship. Moreover, they will be driven to **work under tight time scales whilst applying disciplined rigour**.

## Duration and start date

6 months (extendable to 12 months), starting as soon as possible.

## Location

The internship will take place in the **incubator start up office near Reading** with some time being spent at the global research and development centre, also near Reading (20 min's train distance from London).

## Languages

Fluent in written and spoken **English (C1/ C2)**.

## Tasks

The specific responsibilities for this role will be:

- **Mechanical CAD design** of components and systems
- **Modelling and simulation** of fluid and heat flows
- **Apply engineering science** to determine the root cause of failures and inform design updates
- **Implementation of component** testing activities to meet OEM specifications

## Personal Skills

### Essential:

- **Master's degree** or equivalent in **engineering** disciplines (**Mechanical / Automotive** or related, e.g. Motorsport)
- SolidWorks / MATLAB / Simulink / Amesim / FEA
- Mechanical design programs and techniques (3D CAD)
- Proficiency in internal combustion engine fundamentals

### Desirable:

- Engineering project management
- Exceptional communication and interpersonal skills
- Flexible and open-minded

## How to apply

Please, send an email to [apply@espauk.com](mailto:apply@espauk.com) with the reference code **CASCMo8o3** attaching your CV as a pdf file. A cover letter is always helpful.

## Are you eligible?

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.