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## Start date

January 2022

## Duration

6 months

## Languages

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

## Location

Cirencester,  
Gloucestershire, UK

Often referred to as the Capital of the beautiful Cotswolds, Cirencester was the second largest town in Britain during Roman times. Today it is home to more than 18,000 people and a service centre for the thousands more who live in surrounding villages. Home to the oldest Polo park in the UK, this Royally connected town has fine eateries and shops and offers plenty of things to do in and around the surrounding areas.

## 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 a fantastic opportunity for an ambitious data scientist to gain practical skills working with this company that is leading the field in the manufacture of orthopaedic implants and patient aftercare applications. Mentored throughout, you will assist the lead Data Scientist in providing accurate forecasting of product demand to ensure optimisation of the supply chain and efficiency of manufacturing processes. Working with the host in this niche market will provide a good all-round experience and an invaluable addition to your CV.

## Tasks

- Research and analyse supply chain and manufacturing data sets
- From the results, evaluate to provide accurate forecasting of demand across all product lines
- Apply machine learning techniques
- Research and develop effective algorithms
- Use data results to predict potential problems in the manufacturing process

## Desired Skills

- Studying for a degree in mathematics, statistics, computer science or similar
- Programming skills in Python or R
- An understanding of different types of statistical algorithms and their applications
- Analytical and problem-solving skills
- Ability to spot areas where a data driven, or an automation process can help
- Strong communication and presentation skills

## Host Company

Since it was established, the host has led the way in orthopaedic innovation, providing a faster, positive, and more assured return to quality of life for people all over the world. Today, as a dynamic, growing, global business, the company's approach is revolutionising orthopaedics, offering a unique combination of clinically proven hip and knee solutions that are tailor made to suit each individual patient using advanced biomechanics. Also using innovative technology for pre-operative analysis and patient aftercare, these are exciting times for this expanding organisation.