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Start date

August 2021

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 to analyse and visualise data gathered from the operating theatre during and after surgery, enabling data-driven clinical decisions and ultimately improving future patient outcomes. Working with the host in this niche market will provide a good all-round experience and an invaluable addition to your CV.

Tasks

- Gathering and analysis of key surgery data from manual and robotic procedures
- Use key data from medical scans and preoperative measurements to develop surgical plans
- Applying machine learning techniques to imaging
- Produce insight from patient surgeries so that surgeons can assess performance and effectiveness of surgical cases

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

Good to have

- Experience in image analysis a bonus
- Interested in the medical sector

The 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.