



ESPA

Machine Learning & 3D Image Processing Internship

(AXIIM0703)

[Apply here](#)

Start date

Flexible

Duration

6 months

Languages

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

Location

Belfast, Northern Ireland

Belfast is the capital city of Northern Ireland and over recent years has seen a period of significant regeneration and growth. The birthplace of the Titanic, this vibrant city has a buzzing nightlife and social scene with many cultural events taking place throughout the year. Close to beautiful countryside and the famous Giant's Causeway, Belfast has something to suit all tastes.

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 great opportunity for an enthusiastic Computer Science or Bioinformatics student, interested in gaining a rewarding, practical experience in the innovative field of new medical technology. Mentored throughout, you will assist in the improvement of the company's image analysis software for greater accuracy and efficiency. Not only will this provide a great addition to your CV but will bring the satisfaction that you are contributing to the advancement of medical technologies.

Tasks

- You will utilise the latest machine learning libraries in Python to improve image analysis software
- Development of image processing scripts (2D & 3D)
- Develop and maintain software to convert 2D images to 3D images within a cloud based visualization environment
- Creation and execution of test scripts for web-based software application including Relational Database Management Systems (RDBMS)

Personal Skills

Essential:

- Development experience in data analysis technologies (e.g. Python)
- Strong analytical skills
- Strong written English language skills
- Good interpersonal skills

Desirable:

- Interest in the medical field or knowledge of medical procedures and devices
- Knowledge of cloud hosting, version control and automation/DevOps
- Matlab and awareness of Agile processes
- Previous professional experience

The Host Company

The host is an innovative medical technology firm specialising in creating 3D prints from traditional X-rays to provide surgeons and clinicians with an accurate model to improve diagnoses, prepare and plan surgical interventions. This results in increased efficiencies, advancement of surgical standards and most importantly the improvement of successful patient outcomes. With continued growth, this company is continuing to revolutionise the medical sector.