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## Start date

Flexible within the next 3 months

## 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 a keen Computer Scientist who wants to gain practical experience in software development for this world leader in Digital Pathology. Mentored throughout, you will assist in development of software applications from initial specification to final deployment and acceptance. This internship will be a great addition to your CV and boost to your career prospects, along with the satisfaction of knowing that you will be contributing to medical research.

## Tasks

- Building deep learning algorithms
- Working as part of a team to build software applications from initial specification to final deployment and acceptance
- Research and development of novel image analysis solutions for the automated identification of cancer
- Rapid prototyping of new ideas
- Functional, performance and stress testing of the product
- Automating tests using testing tools and scripts
- Manual testing of the product

## Required Skills

### Essential

- Background in Computer Science or a related discipline.
- A strong academic record
- Good problem solver.
- Experience with Deep Learning.

### Desirable

- Knowledge of the Agile programming methodology.
- Experience in image processing or computer vision.
- Python and Open CV
- Experience of writing and building unit and integration tests.

## The Host Company

The host company are market leaders in digital pathology workflow software, serving over 40,000 users worldwide. Established in 2004, they have specialised in using image analysis of tissue scans to identify cancers at early stages. This innovative Digital Pathology is aimed at reducing the workload of Pathologists by allowing for fast, accurate diagnosis and grading of tumours, so that correct treatments can be put in place as soon as possible. Recently acquired by a world leading electrical giant with a strong focus on Healthcare, these are exciting times for the host.