



Apply here

Start date

October 2021

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 fantastic opportunity for a software developer interested in machine learning and data analytics to gain practical experience within this exciting start-up company, using smart technology to prevent flooding. Mentored throughout, you will assist in the development of their product using machine learning, IOT and analysis of customer data to accurately predict and prevent instances of local and widespread flooding. So, if you are a talented developer and interested in the environment then this could be the perfect experience!

Tasks

- Designing, developing, implementing, testing, maintaining, supporting, and delivering product features and functionality
- Carrying out analysis, and integrating or developing new techniques for implementation and delivery as part of the product offering
- Feature engineering, applying varying machine learning models, testing, and validating these, for use by customers

Desired Skills

- Strong problem-solving skills
- Experience of python development using Scikit learn and Pandas Strong written English language skills
- An understanding of the varying machine learning models and how these can be used with customer data sets
- Practical knowledge of how to create multiple feature sets and tests against multiple models
- Familiarity with using Git, development lifecycles and AWS services will be of benefit
- A 'can-do' problem solving mindset, curious, willing to learn and open to engaging with others in the team.

The Host Company

The host is an expanding start-up originating from Queens University Belfast and specialises in the automated control of storm water to prevent flooding and sewage overflows into properties and land which impacts on the environment, lifestyle, economy, and health. Using the internet of things, machine learning and smart technologies they have proven that this global issue is both foreseeable and preventable. They are seeking enthusiastic, likeminded individuals to join them on their journey.