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Start date

September 2023

Duration

6 months

Languages

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

Location

[Bristol, England](#)

Bristol is the largest city in the Southwest of England. It has a strong reputation for creativity, digital innovation and social enterprise, and is the home of Oscar-winning Wallace and Gromit and urban [artist Banksy](#). Offering a lively nightlife, bars and restaurants aplenty, musical diversity and many historical sites. Now you can even [surf](#) here! In 2017, The Times newspaper voted it 'Best Place to Live in the UK'.

Are you eligible?

You are eligible for an ESPA internship if you are a registered student or have graduated within the past two years and have access to some form of grant funding. **You must have a valid EU passport for this role.**

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 an exciting opportunity for a Data Scientist interested in solving business challenges through innovative AI technology. The host company is an AI deep tech company already working with the world's leading aerospace and defence companies. They hire the best minds in technology to innovate and build solutions for customers who desperately want to adopt AI within their businesses successfully. They are currently building an Enterprise AI platform to give everyone the power of AI, irrespective of their skill background, and thereby create 'citizen data scientists'. Mentored throughout, you will have the opportunity to impact the evolution of products as well as lead mission critical projects early in your career. If you enjoy working on cutting-edge, scalable technology in a team environment and want to work with established developers and experienced software engineers, this is the internship for you! An invaluable addition to your CV and a real boost to your career prospects

Tasks

- Develop Natural Language Programming (NLP); based deep learning models using generative AI pre-trained models
- Develop supervised and unsupervised machine learning models, for example, XGBoost, KNN
- Develop deep learning models using Neural Networks e.g. Auto Encoders, Generative Adversarial Networks (GANs), Federated Learning
- Implement cutting edge AI algorithms from published scientific documents

Desired Skills

- Studying for a Master's degree in Data Science, with an interest in NLP
- Engineering background, preferred in fields such as Computer Science, Mathematics, Software Engineering, Physics, Data Science or related.
- Mastery in Python programming language
- Strong written and verbal communication skills
- Basic working experience/knowledge in Unix/Linux environment
- Good knowledge of Git

The Host Company

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