



## Apply here

### Start date

November 2021

### Duration

6 months

### Languages

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

### Location

Bristol, England

Bristol is the largest city in the South West 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, in 2017, The Times newspaper voted it 'Best Place to Live in the UK'. ESPA has a thriving intern community in Bristol, so there is plenty of opportunity for socialising.

### 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 data scientist to support this organisation in the Artificial Intelligence field. Mentored throughout by the CTO and COO, you will work with their data science team to research, develop and deliver projects for several varied UK corporates. Your tasks will be focussed on supporting the research, development and improvement of how their clients' needs are responded to, by providing results in a clear, understandable and innovative way to help with decision making. This incredible experience will make an excellent addition to our CV.

## Tasks

- Research and develop Machine/Deep Learning solutions in python using modern data science stack; git, Linux, pandas, NumPy, matplotlib, scikit-learn, PyTorch
- Research and develop supervised and unsupervised ML techniques such as linear regression, tree-based models, boosting, clustering
- Research and develop neural networks solutions including deep learning, Auto-encoders, CNN
- Research and develop Data visualisation and dashboards
- Coordinate with other data scientists in the team for collaborative solution development

## Desired Skills

- Background in computer science or data science.
- Awareness of appropriate computational platforms, hardware and software
- Good statistical and software programming
- Ability to mine and visualise complex data from a variety of domains

## The Host Company

The host is an independent digital engineering research organisation, providing design and analysis services, consultancy and IT infrastructure to help organisations create better solutions to pioneer new product development. With a full portfolio of digital capabilities, they bring greater insight into how a system will perform throughout its lifecycle, resulting in more efficient development and more effective solutions.

Working with research and commercial organisations of all sizes, they are experts in model-based engineering, data science, advanced simulation and computing using digital tools and methods to optimise designs and processes, resulting in better productivity and lower costs