ESPA

Software Development Internship (HALSD1806)

Start date
September 2021

Duration
6 months

Languages
Good spoken and written English and fluent in Dutch, German or French

Location
Nottingham, England
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This busy & vibrant English city has links to the legend of Robin Hood and to the lace-making, bicycle (notably Raleigh bikes) and tobacco industries. Nottingham is also home to the UK's oldest live music venue, three of the world's oldest pubs and the biggest entertainment venue in the East Midlands. It is recognised as one of the UK's top shopping cities, has hundreds of restaurants and bars and three comedy clubs.
Other cities in the East Midlands are readily accessible on public transport and London is ~2 hours by train.

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 an exciting role for a student to develop practical skills as a C# Software engineer, within a growing SME based in the UK. Building solutions for the host's X-ray inspection product range, you will work with the team to develop new software capability and interfaces. Their tech stack is mainly Microsoft based around C#, WPF, ASP.NET, PWA and Blazor and they follow strong agile principles, operate good Git, CI/CD practices, with their engineers work on all aspects of designing, planning and implementation of software through to the end user. A great addition to your CV and future career prospects.

Tasks

- Build the next generation of application systems including GUI design for the product range
- Inspire and make users intuitively understand the systems
- Influence the product strategy and commercial impact
- Build elegant code that is documented and tested
- Implement code and interfaces into real-world pilots, and demonstrations with clients
- Interfacing with control systems

Desired Skills

- Experience of C# essential
- Knowledge of ASP.NET, Progressive Web Apps(PWA) or Blazor framework
- Understand the Full Product Life Cycle
- Experience of Software Testing, Fault Finding & Rectification
- Usage of Git or other Repository Control Software
- Experience of latest .NET Framework (including .NET 5)
- Knowledge of C++ beneficial
- Knowledge of networking
- Understanding of serial communications

The Host Company

This rapidly growing SME is keen to develop manufacturing and production facilities for their X-ray diffraction screening products for aviation security and customs and border protection applications. They wish to scale current manufacturing capability in the UK and also to establish how best to manufacture products within the EU and in mainland US to the same level of quality. Constantly expanding, they are seeking a proactive individual to assist in this important part of the business.