



Apply here

Start date

Flexible

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 attractions, including the [SS Great Britain](#) and the [Clifton Suspension Bridge](#). In 2017, The Times newspaper voted it 'Best Place to Live in the UK' for young adults.

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 an ambitious Software Developer to gain valuable practical skills with this leader in the field of portable 3D scanning solutions to several key industries. Mentored throughout, you will use your skills to assist in the development of key software solutions from new ideas and concepts through to final testing and entering production. Working alongside top developers you will be guaranteed a great learning and development experience with a company at the cutting edge of 3D laser scanning technology.

Tasks

- Server-Side Cloud Engineering design and documentation
- Development of server-side scripts and API's to support device requests and this will likely involve Python, JSON, SQL and various other technologies - HTTPS GET/PUT/POST requests and/or FTP/SFTP
- Management of unit testing and release management
- Provide technical input into product manuals/data sheets
- Assisting in DevOps
- Support of hardware engineering and production department for software design related issues
- Ensuring that software design follows the company hardware and quality procedures
- Integration testing in the context of client-server-based services

Desired Skills

- Degree in Computer Science and/or relevant experience
- Familiarity with a Cloud service: AWS, Azure or Google Servers.
- Coding within an established quality framework using contemporary development tools and practices.
- Unit and Functional testing
- Use of configuration management and source control tools
- Encryption/compression skills/knowledge that they can bring to the table

The Host Company

This innovative host company specialises in 3D scanning and printing using the latest laser and printing technology available to provide CAD (computer aided design) models or inspection reports from laser scan data. Using portable 3D scanners, they can quickly assess any damage to key structures such as buildings, highways, offshore installations, and aeroplanes to name but a few. They have managed to cut damage assessment time on aircraft for one leading airline by up to 80% limiting turnaround time and delays. Alongside this their 3Dprinting service offers alternative way of prototyping and low volume manufacture, turning a CAD model into a physical part. With clients in Oil & Gas, aeronautical, civil, and structural engineering to name but a few, this host is leading the way in this exciting technology.