6 Month Geographic Information System (GIS) Developer Internship
(**LIVGD1910**)

PLEASE READ CAREFULLY BEFORE CONTINUING.
ESPA or European Student Placement Agency is a recruitment agency whose goal is to find high quality internships for European students and recent graduates in the UK. We work closely with our host companies to ensure the positions provide the candidates with a great experience, both professional and personal.

REQUIREMENTS: ESPA vacancies are open to all EU passport holders able to travel to the UK for an educational work placement, without the need for visa documents. You have to still be a student or have graduated in the last 12 months. Any student who is unsure of their visa situation should check with their university before applying.

BENEFITS: All ESPA's services are **free** for students and alumni. The benefits are:

1) Paid Accommodation.
2) Paid Utility Bills (electricity, gas, water and council tax) + Internet Access
3) Commuter travel to work (accommodation will be found within an acceptable commuting distance from the workplace, if that requires more than a sensible walk then a bus/train ticket will be provided).

This will be sourced and managed on your behalf by ESPA. **These benefits have an approximate value of 700€-1000€ per month (depending on location).**

There is no salary over and above the benefits offered, unless specifically stated.

To know more, please visit: www.espauk.com

The Host Company

This company produces **unique mapping solutions for cities and complex buildings**. The business was created by the team responsible for the Legible London wayfinding project – a global standard in wayfinding design and city movement and awareness.

The company has advanced the field of legible mapping for urban and interior spaces, has developed a platform that supports walking and other soft mode travel and has a unique business model that will advance the mapping field significantly. The business is now expanding rapidly and is developing and implementing applications for cities, campuses and airports worldwide.

Role

As a **GIS (Geographic Information System) developer** the candidate will work as part of the company's geospatial team on projects and ad-hoc tasks as required.
The intern will be specifically tasked with **modeling and developing GIS tools and applications,** mainly for the purpose of geo-processing and data transfer. The successful candidate should be adept at building user-centric Web UI Interfaces or GUIs.
As a company they strive to create beautiful as well as technically proficient mapping systems. To this end a typical day could mean collaborating with cartographers and designers in the morning and backend coders in the evening. An ability to be flexible in the working practices and an ability to work within multiple disciplines is essential.

Location

The company has offices in Bath and London. The intern placement will be based in **Bath**.

Duration

6 months.

Start date

As soon as possible.

Languages

Upper-intermediate English knowledge. **B2** minimum required.

Tasks

- **Develop Python programs** for data management, manipulation and transfer.
- **Write** and **build SQL** scripts.
- Build interfaces for data upload and attribution.
- Contributing to the technical development of the GIS team through sharing ideas and innovations.

Personal Skills

Essential:
- Experience with **Python** and **SQL**.
- Knowledge of **Quantum GIS** (QGIS), or similar such as **ArcMap**, **MapInfo**, etc.
- Knowledge of GDAL, GIT, RDBMS (PostgreSQL / PostGIS).
- RESTful APIs.
- JSON / GEOJSON / TOPOJSON.
- An ability to work in a self-directed way.
- An ability to pick up and evaluate new technologies.

Desirable:
- Linux operation.
- OpenLayers3 / Leaflet.
- Spatial Data Analysis.
- Familiarity with AWS.
- Java, Javascript, HTML5, CSS, XML, Elastic Search.
- Familiarity with SVG.

How to apply

STEP 1) Please, register with us at http://www.espauk.com/students/register-with-us
STEP 2) Please, send an email to apply@espauk.com with the reference code **LIVGD1910** attaching your CV as a pdf file. A cover letter is always helpful.

Are you eligible?

ESPA vacancies are open to all EU passport holders able to travel to the UK for an educational work placement, without the need for visa documents.