ESPA

Data Science Internship (HWMDS2711)

Start date
Flexible

Duration
6 months

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

Location

Cwmbran, South Wales

Cwmbran sits between Newport and Cardiff and is a bustling industrial, commercial and retail centre that continues to rapidly grow and develop. It is within striking distance of famously beautiful countryside making this a place for exploring too

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 in an award-winning company specialising in energy and water monitoring solutions.

Specialising in the production of water leak detection sensors for water networks, you will be working alongside the Software Manager and play a major part in taking their products to the next level.

The successful candidate will be involved in analysis of new and existing data from these sensors to more accurately determine the difference between a genuine leak and a potential false alarm from another source. You will be responsible for identifying patterns, and based on the findings, produce algorithms and assist in the programming of the sensors to improve their performance.

Already saving organisations £ millions from water lost due to leakage, this improved accuracy will make huge savings by reducing the amount of call outs due to false alarms.

Tasks

- Collecting data and identifying patterns to determine genuine leaks from other sound sources

- Development and validation of algorithms to improve the detection of water leaks, by deriving a leak probability level

- Assist in programming of sensors

- Site visits and liaising with clients to fully understand the products and determine the scale of the problems faced

Desired Skills

- Computer Science or Data Analysis background

- Querying SQL databases

- Strong analytical skills

- Familiarity with data visualisation software packages

- C# programming preferable but other languages considered

- Good standard of spoken and written English.

The Host Company

The host company is a leading manufacturer of water and energy management solutions aimed at monitoring consumption and reducing waste due to inefficiency and leakage. Having won the Queen's Award for Innovation, they design monitoring equipment and integrating Telemetry and Automated Meter Reading (AMR) offer real time data to ensure any issues are identified early. A rapidly growing company, they are on track to double their turnover in the next five years.