



<b>Company Name:</b>	Tamoco Limited
<b>Team / Department:</b>	Product & Engineering
<b>Address:</b>	4 Bloomsbury Place, London, WC1A 2QA

**Provisional title for project:**

Refining Points of Information (POIs) on the basis of observed data

**Short description of the problem that would be addressed by the project:**

Tamoco leverages thousands of Points of Interest (POIs) from multiple sources, but there are many variances in metadata in large part because of the dynamic nature of POI information. We aim to validate the identity of POIs from observed data by being able to attribute inventory such as WiFi and beacons to those locations. We hope to build a POI identification service, informed by a new methodology that combines enhanced metadata such as location, duration, opening hours, floor-level and address with our SDK data to create a highly valuable and reliable data source.

**Short description of the data sources that would be used in the project, and how they would be used.**

Tamoco can provide access to large data sets either derived from our own mobile app SDKs or direct from our publisher relationships. If there are other relevant and accessible datasets from government, the Consumer Data Research Centre, other research groups or transport network providers, this would be ideal.

**Would any work by the student need to be carried out on site at the Company with the exception of supervisory meetings?**

No

**Any issues of data confidentiality and IPR that would need to be resolved**

Yes

**Essential skills**

Data analysis, experience with Big Data

**Desirable skills**

Interested in geospatial/location data. Data science, experience of Machine Learning to detect and generate new models .  
Data visualisation. Experience of querying large datasets. Experience with Google Cloud Platform and BigQuery.  
Experience of using Amazon Web Services.

**Preferred degree programmes (if any)**

**Preferred selection method**

Initial telephone interview, followed by a face-to-face interview for the final selection

**Support and training offered by the company**

We are able to provide support throughout the dissertation programme, including working from our offices in Bloomsbury, London as well as regular meetings and ongoing communication via e-mail or slack.

**Financial assistance offered by the company**

The organisation will pay the honorarium (£500)

Travel or other expenses will be incurred and will be reimbursed as appropriate

**Any other comments**

We are an exciting business based in Bloomsbury, London looking for a candidate who wants to experience working in a dynamic, fast-paced environment and who wants to help solve some challenging, real-world geospatial problems.