



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

Provisional title for project:

Understanding the extent to which mobile GPS data can be used for measuring movement in cities

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

Tamoco is able to accurately identify the movements of unique devices in order to understand where people are, where they are going and where they have been. We are trying to solve how mobile GPS data can be used as an alternative source for measuring all types of movement in city environments. We aim to do this by developing a deeper knowledge of how we can scale our understanding of the behaviour of a single device to those of millions of devices, in a busy, constantly changing, 4-dimensional (latitude, longitude, altitude, over time) setting.

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 datasets 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.