NOMMON

Software Engineer (Intern)

Job ID: 2019-3-i   **Location:** Madrid, Spain   **Job Type:** Part Time

Context and background:

Nommon is a research-intensive technology company that provides information, quantitative analysis and decision support tools for the transportation market and other sectors whose performance emerges from the complex interaction of interdependent policies, social trends, technologies, and market conditions. Nommon's products and services are built on three main pillars: (i) big data processing and spatio-temporal data analysis; (ii) complex systems modelling and data driven simulation; (iii) information visualisation and visual analytics. Nommon's commercial operations are organised into four business units:

- Kineo Analytics, which analyses anonymised geolocation data from mobile devices (e.g., mobile phone records) to provide mobility and travel demand information.
- Transport & Mobility, which provides specialised transport consultancy services, with particular focus on new, emerging mobility concepts and technologies, such as MaaS and CAVs.
- Aviation, which provides products and services for the planning and management of airports, airlines and air traffic management systems.
- New Businesses, which explores and develops opportunities in other verticals such as smart cities & urban planning, retail & geomarketing, logistics & supply chain, and energy & environment.

As part of our talent development strategy, we are looking for an intern to join our Technology and Software Engineering department in Madrid.

Job description:

The candidate will join a multidisciplinary team working in a variety of R&D and consulting projects. His/her main responsibilities will include:

- develop software for the acquisition, exploration and management of data originated from multiple sources;
- develop web applications for the operation of analytics software, reporting generation and KPI visualization;
- contribute to all stages of the software life-cycle.

As part of the internship, the student will be offered the possibility to develop his/her Master Thesis.

Qualifications and skills:

Required:

- Student in the last year of a Master's degree in Computer Science or similar field.
- Proficiency in one or more of the following programming languages: Python, Java, C/C++.
- Sound knowledge of modern web architectures and technologies (HTML5, CSS3 and JS).
- Strong algorithmic, programming and computational problem solving skills.
- Excellent English and Spanish oral and written communication skills.

Nice to have, but not indispensable:

- Experience/knowledge in relational and No-SQL databases and data warehousing.
- Experience/knowledge in JavaScript visualisation frameworks (Dash, Plotly, D3.js).
- Experience/knowledge in application server administration, computing environments, storage and networking.

Terms and conditions:

The internship will have a duration of 4 to 6 months. The position will be offered on a flexible basis, with the successful candidate having the option of working between 25 and 40 hours per week, Monday through Friday, with a flexible work schedule. The intern will receive a minimum compensation of 600 € per month, which will be scaled in coherence with the working hours. Higher amounts could be negotiated considering the candidate's qualifications and experience. If applicable, the allocation of a lump sum relocation package may be considered as well.

Upon the satisfactory completion of the internship, the candidate will be considered for a full-time job position.

To apply for this position, please email your CV and a copy of your academic transcript along with a covering letter to rrhh@nommon.es