NOKIA Bell Labs Summer Data Viz Internships Cambridge 2019

The **Social Dynamics team** at Bell Labs Cambridge (UK) welcomes an interdisciplinary community of **PhD students** in the area of **Data Visualization** for **three months** in its mission to explore the area of Computational Social Science for the key themes of Urban, Health, and Culture; Complex Networks; Interaction Design; Data Mining; and Computer Vision. Internships are *fully paid* (industry-level) and generally go from the *beginning of June to the end of August*.

Nokia and Bell Labs
Nokia is a global leader in the technologies that connect people and things. Powered by the pioneering work of Bell Labs, our research division, we are at the forefront of creating and licensing the technologies that are increasingly at the heart of our connected lives. Bell Labs is a worldwide research and development community that focuses its efforts on key technologies. It is renowned as the birthplace of modern information theory, the transistor, the laser and the UNIX operating system.

Bell Labs Cambridge
The Social Dynamics team works on the idea of a society empowered by digital data with the goal of finding solutions to real problems and contributing to generalizable knowledge. As part of the emerging research area of "Computational Social Science", we answer questions typical of social sciences using computational methods and produce long-term research (in very 'Bell Labs' style). Team members include Daniele Quercia (www.researchswinger.org and goodcitylife.org), Luca Maria Aiello (www.lajello.com), Sanja Scepanovic (sanja7s.space), Marios Constantinides (comarios.com), and Ke (Adam) Zhou (sites.google.com/site/keadamzhou).

Main responsibilities
1. Develop frontend web applications and demonstrators
2. Interpret, analyze, and model complex multimodal datasets to create compelling interfaces, visualizations and communication tools

Expected qualifications, skills and experience
1. Bsc or above in Computer Science, Interaction Design, or related fields.
2. Strong development skills in HTML5/CSS3 and Javascript (and associated libraries for visualization like d3.js and Processing).
3. Experience in server-side web page development and with MVC Web application frameworks (e.g., AngularJS).
4. Professional knowledge of all Adobe Creative Suite applications.
5. **Preferred:** JavaScript libraries for interactive Maps (e.g., leafletjs, mapbox GL JS), data visualization skills with ArcGIS and Tableau, mapping web platforms (e.g., Mapbox,, Mapzen). Use of responsive, mobile-friendly interfaces such as React or Bootstrap. Experience in mobile development (iOS, Android) is a plus.

Please send your **application** in pdf format (e.g., detailing how your background fits this post) with the subject line "Data Viz Internship 2019" to daniele.quercia@nokia-bell-labs.com by the **20th of March 2019.** Your application material will be used solely for the purpose of selecting internship candidates and will be deleted as soon as the selection is complete. You are welcome to drop Daniele an email for formal enquiries.