NOKIA Bell Labs

Inventing the Future X Network
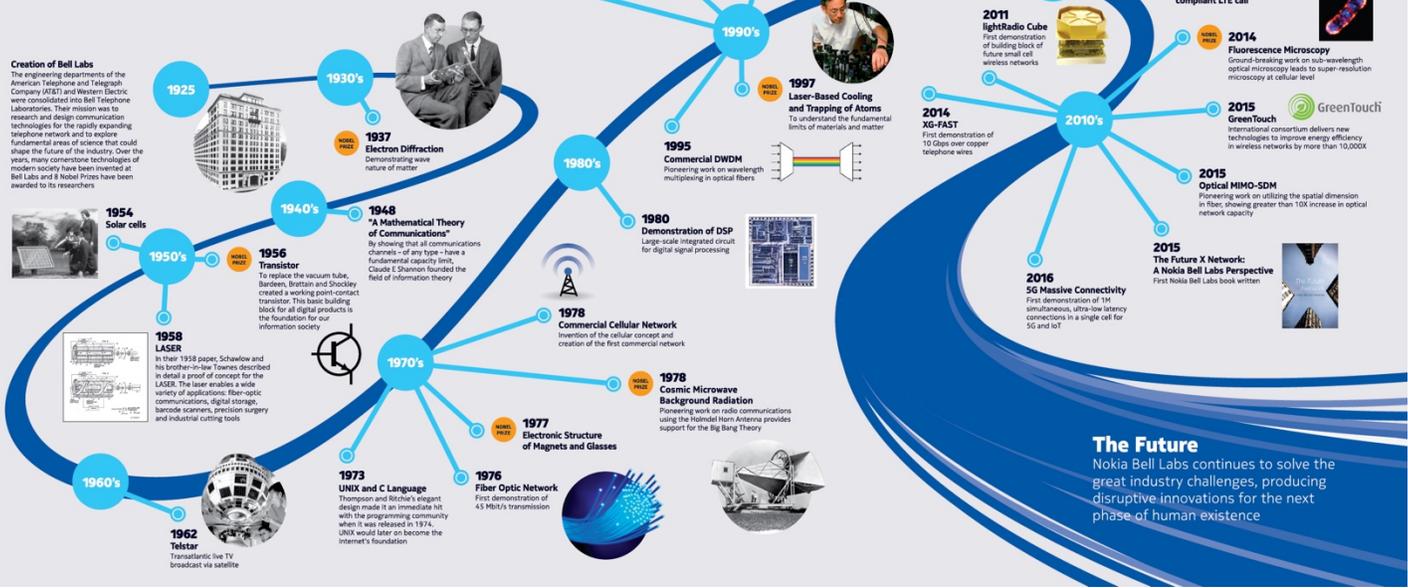
DATA VISUALIZATION AND FRONT-END ENGINEER
Social Dynamics Research, Nokia Bell Labs, Cambridge

The Social Dynamics team at Bell Labs Cambridge (UK) has one open position for front-end engineers. Candidates who have the aspiration to work in a highly-dynamic research environment are particularly valued.

Nokia and Bell Labs
Nokia is a global leader in the technologies that connect people and things, and Bell Labs is a worldwide research and development community that focuses its efforts on key technologies. It is internationally renowned as the birthplace of modern information theory, the transistor, the laser and the UNIX operating system.

Bell Labs Cambridge
As part of the emerging research area of ''Computational Social Science'', the Social Dynamics team answer questions typical of the social sciences using computational methods and, in so doing, produce long-term research (in very 'Bell Labs' style). Members of the team include Daniele Quercia (www.researchswinger.org), Luca Maria Aiello (www.lajello.com), and Miriam Redi (www.visionresearchwitch.com).

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
3. Collaborate closely to a mixed team of Engineers and Scientists to translate research outcomes into end-user products

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 **CV and portfolio**, and a brief cover letter with the subject line ''Front-end'' to daniele.quercia@nokia-bell-labs.com at earliest convenience. For informal inquiries, please contact daniele.quercia@nokia-bell-labs.com.