

Internship 3 : **Web design for geopolitical intelligence**



Sécurité
et Multimédia

In SYSTEMX, an interdisciplinary and multicultural environment (Alstom, Bull, Campus Paris-Saclay, INRIA, Institut Mines Telecom, OVH, Systematic Paris-Region...), you will be part of a project team composed of 3 students. You will also work in collaboration with the research project named IMM, whose team has strong knowledge and skills in the fields of natural language processing and information retrieval. You will be able to use the research platform developed by this project, which provides tools for web crawling, text mining, information retrieval and visualization.

Information visualization allows exploring reasonable amounts of data (up to 1.000.000 items) in a very effective way using human visual skills. A lot of software has been developed and put on the market to help creating visualizations from standard databases and producing familiar and expressive visual representations for data scientists.

Your duties will include:

- Write a state of the art of **information visualization for text mining**.
- In collaboration with the student of the first internship, design visualizations and web interfaces to help final users in their analysis workflow.
- **Develop a prototype** using the platform and text mining tools developed by the student of the second internship.

Requirements: Master degree in preparation, student in computer science with skills in human-computer interaction for a 6 months internship in IRT SYSTEMX, Palaiseau.

You skills are :

- Knowledge in web frameworks (AngularJS / Bootstrap)
- Experience with web visualization (d3.js)
- Web Design and Innovation

Your personal aptitudes are:

- Creativity,
- Technology enthusiast,
- Good relational,
- Wish to work in collaboration

Internship start: ~February –March 2015

Internship salary BAC+5: 1150€ /month + other advantages.

Reference: CREE_2015_IMM1_03_02_141029

To apply: stages@irt-systemx.fr