Internship Opportunity in Berkeley or Tokyo

Pattern Analysis Research and Application Development for Information Retrieval

SciPlore is an international team of researchers affiliated with the University of Magdeburg, the University of California, Berkeley, and the National Institute of Informatics in Tokyo. SciPlore researches novel approaches in citation and semantic text analysis for quantifying similarities between scientific articles. Similarity assessments are crucial to many Information Retrieval (IR) tasks, such as clustering of documents, recommending academic literature, or automatically detecting plagiarism.

We offer an internship opportunity for a bachelor student in the field of computer science. Depending on the project, the intern will work with the SciPlore team at the University of California in Berkeley, USA or at the National Institute of Informatics in Tokyo, Japan.

The Project

Scientific Question: Which similarity measures and pattern analysis methods perform best for use on academic documents to address a specific IR need? The IR need to be addressed will be determined by your background knowledge as well as your personal research interest. Possible IR needs include:

- Text re-use and plagiarism detection
- Automated literature recommendations
- Document search
- Document clustering and classification

Period: 6 -12 weeks, start and end dates are flexible, earliest start: Jun 1, 2014, latest end: Oct 31, 2014

Compensation: Berkeley – 1000 EUR per month + 1250 EUR onetime payment for travel costs
Tokyo – 1200 EUR per month + 900 EUR onetime payment for travel costs

Qualifications

- Programming (preferably JAVA or Python), Web Development (HTML, CSS, JS, PHP, SQL etc.)
- Required skills depend on the chosen task. Task-specific experience, e.g., knowledge of web development frameworks is a plus, but not mandatory.
- You are motivated and able to work methodologically and independently.

Application (Deadline January 12, 2014)

The internship is made possible by the German Academic Exchange Service (DAAD). To apply, create a profile on the RISE-Weltweit 2014 website (www.daad.de/rise-weltweit/de) and search for SciPlore's project page in their database.

Contact: Bela Gipp (gipp@sciplore.org)   **More Information:** www.sciplore.org