We are seeking candidates for a 2-year (renewable) post-doctoral fellowship position to work at the Reasoning for Complex Data (Recod) Lab. (http://www.recod.ic.unicamp.br/) at the Institute of Computing (www.ic.unicamp.br/en), University of Campinas, Unicamp (www.unicamp.br/index.php/english), Campinas, SP, Brazil.

This fellowship is part of a Thematic Research Project, entitled DéjàVu: Feature-Space-Time Coherence from Heterogeneous Data form Media Integrity and Interpretation of Events funded by the São Paulo Research Foundation (Fapesp). The project relies upon collaborators from all over the globe such as the University of Campinas (Brazil), University of São Paulo in São Carlos (Brazil), Federal University of Minas Gerais (Brazil), Purdue University (USA), University of Notre Dame (USA), Politécnico di Milano (Italy), University of Siena (Italy), Nanyang Technological University, NTU (Singapore) and others.

More Information about the Project

+ Website https://www.ic.unicamp.br/~dejavu/
+ Promo video https://youtu.be/GA-q2o-I0VY

In this project, we focus on synchronizing specific events in space and time (X-coherence), fact-checking, and mining persons, objects and contents of interest from various and heterogeneous sources including — but not limited to — the internet, social media and surveillance imagery. For that, we seek to harness information from
various media sources and synchronize the multiple textual and visual information pieces around the position of an event or object as well as order them so as to allow a better understanding about what happened before, during, and shortly after the event. After automatically organizing the data and understanding the order of the facts, we can devise and deploy solutions for mining persons or objects of interest for suspect analysis/tracking, fact-checking, or even understanding the nature of the said event. With demanding and sophisticated crimes and terrorist threats becoming ever more pervasive, allied with the advent and spread of fake news, our objective is to use the developed solutions to help us answering the four most important questions in forensics regarding an event: “who,” “in what circumstances,” “why,” and “how,” thus identifying the characteristics and circumstances in which an event has taken place.

**The Position**

This fellowship position requires research and development in *Computer Vision*, *Machine Learning* and *Visual Analytics*, in collaboration with graduate students and partners. The work of the fellow will be focused on machine learning and visual analytics methods to perform X-coherence, or in other words, to find out the order of facts related to an event in space and time.

It is desirable that the candidate demonstrates domain knowledge in machine learning, visual analytics, and computer vision. However, candidates with good mathematical and programming backgrounds in any of the three areas and motivation to learn the others are equally welcomed.

The post-doctoral fellowship includes a monthly stipend of R$ 7,174.80 (about USD 2,300 and EU$ 2,000), access to the health-care system of Unicamp, and research contingency funds (15% of the annual value of the fellowship, each year). For more details, check out Fapesp’s webpage [http://www.fapesp.br/en/5427](http://www.fapesp.br/en/5427)
How to Apply

Interested candidates should email

• A motivation letter for the application;
• A recommendation letter from a previous supervisor;
• Curriculum vitae with the list of publications, education background, research track-record and experience, and copy of diplomas/degree certificate(s).

To Prof. Anderson Rocha
Project’s Coordinator (anderson.rocha@ic.unicamp.br)

Additional Information

Eligibility Criteria Ph.D. in Computer Science or related areas (in case you have any doubt about a possible related area, drop an e-mail to the Project’s Coordinator above)

Selection process It will be based on the motivation letter for the application, recommendation letter from a previous supervisor, curriculum vitae with the list of publications, education and experience, and copy of diplomas/degree certificate(s). An interview with the finalists shall take place via Telecom.

Information About Campinas

+ Campinas, the most surprising city of Brazil https://youtu.be/nool_9y02vE
+ University of Campinas (Unicamp https://en.wikipedia.org/wiki/University_of_Campinas

Deadline
+ February 20th, 2018
Location

Av. Albert Einstein, 1251, Institute of Computing, University of Campinas, Campinas, SP, Brazil