



Postdoctoral Researcher Opening
Cognitive Computation Group, University of
Pennsylvania



Professor Dan Roth is looking for a postdoctoral researcher to join the Cognitive Computation Group (<http://cogcomp.org>) and participate in research in natural language understanding, machine learning, knowledge acquisition, and reasoning.

Candidates with backgrounds in these areas are encouraged to apply. A PhD in Computer Science or related field in the last five years, excellent publication record and software development skills, and excellent verbal and written communication skills are a must. The position is expected to last for one or two years and to start as soon as it can be filled.

This position is specifically focused on issues related to **Information Trustworthiness and Navigating the Information Polluted World**. We are interested in a range of problems in this domain focusing on the development of a mechanism for determining reliable, multidimensional, provenance – accounting for sources' behavior over time, understanding their perspectives, understanding interdependencies among them, content produced and its internal consistency, and compatibility both among claims expressed by sources and between them and other held perspectives.

From a technical perspective we are looking for expertise and interest in machine learning – including classification and structured prediction, and in NLP – textual entailment and semantics in general.

In addition to working with Prof. Roth, duties and responsibilities include:

- Working independently with minimal supervision.
- Working with other members of the Cognitive Computation Group on related projects, and guiding students.
- Reporting research results to various stakeholders.
- Packaging, delivering and demonstrating software products that result from the research.

There might be opportunities for initiating new projects in related directions.

To Apply:

Please send a CV (including names of three references), a short letter of interest, and a research statement (2-3 pages) to Jennifer Sheffield sheffield@seas.upenn.edu.