

PhD student RA: Probabilistic Knowledge Bases and Graph Mining

The Data Science Research (DSR) Lab at the University of Florida (<http://dsr.cise.ufl.edu>) invites applications for PhD students interested in a Research Assistant position. Candidates with a strong background in algorithms and system development are encouraged to apply, working knowledge of probabilistic models and graph mining are a plus. The successful candidate will work on developing novel strategies to understand and reason about events, situations, and trends in large-scale probabilistic knowledge bases with an emphasis in multiple interpretations.

The DSR@UF lab works primarily in the different aspects of the probabilistic knowledge base lifecycle such as knowledge extraction, knowledge representation, rule mining, knowledge integration, etc. and publishes its research in top tier conferences and journals in databases and machine learning. The University of Florida is located in north-central Florida in the city of Gainesville near large urban areas such as Orlando and Jacksonville. UF is the largest university in the state and a top 10 public research university in the US.

Required Background

- Strong programming skills
- Preferred students with previous research experience (Bachelor/Masters with theses, REU, research internship)

Desired Knowledge

- probabilistic models, knowledge bases and graph mining
- Statistical relational models
- Large data processing tools (SQL, Spark, etc)

Required Application Documents

- Cover Letter
- CV

Start date: Fall 2018 - 2019

Please email your cover letter and CV as a single pdf file with a subject title phdstudent@dsr.ufl.edu

Point of Contact:

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