School of Information Sciences
Postdoctoral Research Associate: Social Sensing Lab

Deadline for full consideration – June 1, 2022

The School of Information Sciences' (iSchool) Postdoctoral Research Associate Program seeks applicants to work on dedicated research projects in our Social Sensing Lab. In addition to developing their research agendas, the Postdoctoral Researcher supported by this program will be expected to teach one course per semester and serve on at least one service committee.

As part of the iSchool's postdoc program, the selected applicant will receive mentoring and community support to prepare for tenure-stream assistant professor or other permanent appointments inside and outside of academia. For this position, the postdoctoral researcher will work directly with and be mentored by Dr. Dong Wang, Associate Professor with the iSchool.

Applications must include a statement of interest, and both a mentoring and individual development plan. Grant-supported postdocs work with their PIs to develop an appropriate plan.

Social Sensing Lab: Expected Work

- Carry out cutting-edge research in the field of human-centered AI, social sensing, computing and intelligence under the guidance of the PI
- Lead the publications of the above research work in the top journals and conferences in the filed under the guidance of the PI
- Participate actively in the relevant proposal development efforts led by the PI
- Participate in the mentoring process of junior graduate and undergraduate students in the related research projects
- Meet regularly with PI to receive feedback and assess the performance

Program Guidelines

- The applicant must have obtained their Ph.D. prior to July 1, 2022.
- Postdocs are normally appointed for one year starting August 16, 2022, and can be reappointed for a second year.
- Recipients must be in residence full-time for the duration of the award period.

Required and Preferred Skills

- Deep understanding and mastery of state-of-the-art AI and machine learning techniques (e.g., deep learning, transfer learning, generative adversarial learning, constative learning, multi-view learning, graph neural network, convolutional neural network, recurrent neural network)

- Deep understanding and mastery of crowdsourcing platforms and techniques (e.g., Amazon MTurk)
- Solid training and expertise in estimation theory and statistical models
- Extensive experience in multimodal big data analysis, social media data analysis
- Proficiency of the following programming tools: Python, Java, C/C++, SQL, Shell, PyTorch, TensorFlow, Keras, Scikit-Learn, NumPy
- Strong publication records in human-centered AI, social sensing and computing fields and excellent writing and communication skills

Application Materials

- Current CV
- Statement of Interest, including reference to any courses the applicant could teach
- Individual Development Plan

Stipend

- The stipend for the 2022-2023 year is at least $55,000 (for a 12-month appointment) commensurate with experience and responsibilities and includes health benefits.
- An additional $2,000 is provided for research, travel, and related expenses.

Please send application materials to Dong Wang, at dwang24@illinois.edu, and Linda Smith, Interim Executive Associate Dean, at lcsmith@illinois.edu. Questions about the position's research agenda should be sent to Dr. Wang, and questions about the PostDoc Program should be sent to Dr. Smith.