NSF NRT Ethical AI Ph.D. Fellowship
The University of Texas at Austin

General:

UT Urban Information Lab is looking to recruit 1-2 NSF NRT Ethical AI Ph.D.fellows starting 2024 Fall Semester. NRT fellows will be funded by NSF NRT program on Ethical AI and work with NSF NRT Ethical AI director and PI Dr. Junfeng Jiao to investigate one of the following three research areas:

- Ethical AI and Generative AI applications in Cities
- AI and Digital Twin Connections
- AI and Smart Transportation System.

The successful candidate has the opportunity to work across disciplines with other NRT faculties in CS, Engineering, and Informatics, mentor graduate and undergraduate students, join the UT Ethical AI and Good Systems community, and get access to major computing nodes at the Texas Advanced Computing Center (TACC).

Eligibility: Applicants must be outstanding, intellectually curious researchers who will be ready to pursue independent research. They should have a doctorate in a related area before the expected start date of their NSF fellowship. Collaboration experience and strong communication skills will be viewed favorably. We recognize that strength comes through diversity and actively seek and welcome people with diverse backgrounds, experiences, and identities. Individuals already at the University of Texas at Austin are eligible to apply. **Applicants must be US citizen or permanent resident.**

Qualifications:

- Strong Interests in Ethical AI and Generative AI.
- A master degree in Computer Science, Urban Planning, Data Science, Informatics, Transportation Engineering or a related discipline.
- Good publication records demonstrated by peer-reviewed journal papers or peer-reviewed conference papers.
- Experience with machine learning tools and programming languages, including Python, R, C#, and/or C++
- Demonstrable writing abilities through publications and good communication skills.
- [optional] Experience working with interdisciplinary, collaborative teams, and managing research assistants is advantageous.
- [optional] knowledge of Java, Javascript, PHP, and others is desired.

Principal responsibilities include:

- Write and Publish peer reviewed scholarly work.
- Present the results at conferences and seminars.
- Assist to develop funding proposals.
- Mentoring undergraduate students.

Available Funding.

Stipend: Each NRT fellows will be supported on fellowship for $34,000 per year for 2 years plus tuition benefit in each year.

Travel: An additional $3,000 will be allocated for research and travel expenses each year.

Benefits: UT Austin has an excellent benefits package as well as full tuition coverage for NRT fellow.

Application:

Please apply through the following application link:

https://soa.utexas.edu/graduate-admissions/planning-phd

Deadline: Dec 15, 2023

Supplemental File Due: Jan 3, 2024