

TITLE: Human-Centered AI Research and Evaluation (*part-time position*)

Overview

This position will support the Human-Centered Artificial Intelligence (HCAI) research within the Human-Centered Technologies Group (<https://www.nist.gov/itl/iad/human-centered-technologies>). The HCAI team is developing human-centered approaches to AI evaluation through research on perceptions and use of AI systems. Human-centered evaluations of AI systems depend on a variety of methods for capturing and measuring interactions between humans and AI systems. The candidate will assist in designing and executing human-AI interaction research. The candidate will actively participate in NIST measurement science and be involved in developing human-centered evaluations of AI technologies. **U.S. Citizen preferred.**

Duties

- Design/conduct human-subject studies (experimental design, surveys, and/or interviews).
- Conduct data analysis of human-subject experiments, surveys and/or interview data using inferential statistical methods and qualitative thematic and grounded theory analysis
- Perform literature surveys relevant to HCAI, human-AI interaction, and AI evaluation
- Develop infrastructure and approaches for human-centered AI evaluation
- Write/prepare reports, research papers, and presentations of project information at internal and external meetings

Required Skills, Expertise and Qualifications

- Current PhD/doctoral student in a field related to HCAI (e.g., computer science, human-computer interaction (HCI), cognitive psychology, human factors/engineering psychology) with two years of study completed and a minimum of one year remaining in the degree program
- Education, research, or work experience in HCAI, human-AI interaction, and AI evaluation, demonstrating through relevant technical publications (including peer-reviewed papers, conference proceedings, or manuscripts currently submitted/under review for publication)
- Experience with Quantitative and Qualitative human subjects research on AI use and adoption
- Programming skills and experience creating tools for human-centered AI evaluation
- Demonstrated ability to work both in teams and independently
- Strong organizational skills
- Strong oral and written communication skills

Other Desirable Qualifications

- Experience reading, summarizing, and synthesizing research and industry reports/literature
- Experience creating visualizations of research data

Employment Terms: This opportunity is to be an associate researcher in the NIST Human-Centered Technologies Group for a term of one year (1/1/2027 – 12/31/2027), with options to renew.

Associate researchers are NOT Federal Employees, but they work aside NIST researchers.

Relocation expenses will not be provided.

Salary: \$38.46/hr. This is a part-time position

How to express interest: U.S. Citizens who meet all the required qualifications and who would be interested in taking this position are invited to express their interest in the position by sending an updated CV to Theodore Jensen via theodore.jensen@nist.gov.