

Fully Funded Ph.D. Positions in Human Factors

We have several **fully funded Ph.D. positions** in the Department of Industrial and Systems Engineering at the University of Louisville with a specialization in **Human Factors Engineering**. The start date can be **Spring or Fall 2027**. The PhD student will work with **Dr. Xiaomei Wang** in the area of **human-AI interaction** and **human factors in healthcare**.

Active projects in the lab right now: (1) supporting non-AI experts in working with imperfect AI tools, (2) patient safety during care transitions, (3) AI-assisted programming in engineering education.

Required Qualifications:

1. Bachelor's degree in related fields (ISE, HCI, CSE, Psychology, etc.)
2. Prior research experience.
3. Strong English writing and communication skills.

Preferred Qualifications:

1. Master's degree in related fields.
2. Training and experience in quantitative (e.g., statistics, machine learning) and qualitative methods (e.g., interviews, thematic analysis).

If you are interested in applying, please send your CV, transcripts, a letter of intent, and a sample of writing to me at xiaomei.wang@louisville.edu. Include your preferred start date and area in the subject (e.g., "Spring 2027 Human-AI Interaction PhD Position").

***About the Department:** The Department of Industrial and Systems Engineering (ISE) is within the Speed School of Engineering located on the Belknap campus. The department has been a degree granting department since the late 1970s. Including our three recent faculty hires, starting Fall 2021, IE has 11 tenured or tenure-track faculty and one term faculty with the following research thrusts: operations research and decision analytics, human factors and ergonomics, advanced manufacturing, and engineering education. Faculty research has been supported by a variety of federal grants and industry contracts (e.g., NSF, DoD, ONR, NIST, NASA, FHWA, Toyota, GE Appliances/Haier).*

***About UofL and Louisville:** The University of Louisville is a state-supported research university located in Kentucky's largest metropolitan area. The University has three campuses: Belknap Campus (which houses eight of the university's 12 colleges and schools), the Health Sciences Center (which houses the university's health-related programs and the University of Louisville Hospital), and Shelby Campus. The University of Louisville pursues excellence and inclusiveness in its work to educate and serve its community; see more [here](#).*

Louisville is a progressive community of nearly 1 million people with a robust economy, a vibrant arts scene, a nationally ranked public-school system, and a rich history infused with southern hospitality. Situated on the banks of the Ohio River, Kentucky's largest city (America's 29th largest city) boasts a cost of living that is substantially lower than the national average, with a broad range of affordable housing options from high-rise apartments and historic Victorian homes to suburban communities and rural farms. The region offers a good balance between the diverse metropolitan life, along with the safety and convenience of smaller-size city. Fittingly, it has earned a number of accolades. Louisville is also home of the famous Kentucky Derby.