



Lucy Graduate Student Opportunities

Graduate students are invited to join the **Lucy Family Institute for Data & Society's** interdisciplinary research community as leaders, ambassadors, and scholars, contributing to data- and AI-driven inquiry.

Students are invited to participate in a range of opportunities, from professional development panels and hands-on workshops to data science communications and two-year scholar tracks.

Institute Seminars & Invited Speakers

The Soc(AI)ety Seminar Series:

Hosted by the Lucy Family Institute, the Soc(AI)ety Seminars are a collection of talks with a vision for AI's present and future impact on society, and inspire a dialogue on ethical and socially responsible data & AI innovation.

The RISE AI Conference:

The Responsible, Inclusive, Safe, and Ethical (RISE) AI Conference provides a unique platform to explore how AI can be harnessed to tackle complex societal and contemporary challenges while upholding the principles of RISE.



"The Lucy Family Institute has contributed to my development as a research scholar by enhancing my ability to communicate complex ideas through storytelling. Engaging with researchers outside my field has strengthened my ability to frame my work in a compelling and accessible way. This skill has been invaluable in securing grant funding, fostering interdisciplinary collaborations, and uncovering new research opportunities."

-Seham Kafafi,
2023-2025 Lucy Graduate Scholar



Mentorship Opportunities

Data Science Workshops for High School Students:

The TRiO: Upward Bound Training Workshops are a graduate student-led data-science series developed to mentor high school Upward Bound participants in coding fundamentals and real-world data applications.

Health Data Analytics Challenge:

Hosted by the Lucy Family Institute and the Berthiaume Institute for Precision Health, the Health Data Analytics Challenge is an opportunity for graduate students to mentor undergraduate student teams as they tackle interesting, data-driven questions related to health.

Journal of Data and Societal Endeavors (JDSE)

The Journal of Data and Societal Endeavors (JDSE) is a student-led platform for disseminating Notre Dame undergraduate and graduate student research. Specifically, the JDSE presents ongoing data science research and data stories that promote societal growth and wellbeing.

Graduate students have the opportunity to:

- Write data stories and editorials about emerging research in data science & AI.
- Serve as reviewers and provide feedback to journal applicants.



Learn more at lucyinstitute.nd.edu



Professional development **panels and discussions**

The Institute hosts graduate student-led events where distinguished academic and industry professionals are invited to discuss how data science and AI are impacting society and share insights into their pathways to data science careers.

Examples of past activities include:

- **The Lucy CONNECT Series:**
Lucy Graduate Scholars designed and hosted a series of panels focused on connecting Notre Dame graduate students across all disciplines with academics and industry leaders in various data-driven fields. Topics included data science and industry, data and education, and data and health.
- **"Digital Renaissance in Academia":**
This student-led panel examined key challenges in academic integrity, discussed emerging opportunities for innovation, and addressed the fundamental shifts occurring in educational institutions.
- **Tech Industry Interns Panel for Graduate Students:**
Lucy Graduate Scholars recruited a panel of ND graduate students who had previously participated in tech summer internships to speak about their experiences, including the application and interview processes.

Research *spotlight*

Ventana a la Verdad: A Chatbot for Navigating The Colombian Truth Commission's Archives

Ventana a la Verdad is an LLM-powered chatbot that improves access to the Colombian Truth Commission's high volume of archives on the Colombian Armed Conflict.

Co-designed by Lucy Graduate Scholar Anna Sokol and Matthew Sisk, director of C-GALL and associate professor at the Lucy Family Institute, it supports natural language queries with verifiable links. The tool handles sensitive content with care, ensuring accuracy, dignity, and responsible storytelling.

The Lucy Graduate Scholars Program

The Lucy Graduate Scholars program offers full-time Ph.D. students a two-year opportunity to serve as leaders and collaborators in the Lucy Family Institute's interdisciplinary research community. Scholars receive a \$3,000 annual stipend while designing community-building initiatives, presenting research, and advancing data-informed work for societal impact.

Program highlights:

- Lead interdisciplinary events and contribute to Lucy Family Institute programming
- Present research at distinctive Lucy Family Institute events
- Build leadership, communication, and event planning skills
- Engage with distinguished academic and industry professionals in the field of AI and data science research
- Engage with graduate students and faculty across disciplines
- Monthly luncheons and regular research updates
- Applications open each spring

Research **powered** by:

The Institute's research is powered by the collaborative nexus of specialized labs:

- The Applied Analytics and Emerging Technology Lab (AETL)
- The Artificial Intelligence Trust and Reliability (AITAR) Lab
- The Civic-Geospatial Analysis & Learning Lab (C-GALL)
- The Data, Inference, Analytics, and Learning (DIAL) Lab
- The Foundation Models and Applications Lab (FMAL)
- The Health Data Exploration & Analytics Lab (HEAL)
- The Human-Centered Responsible Artificial Intelligence (HRAI) Lab

