

# RAI for Ukraine

Responsible  
AI Research for  
Ukrainian  
Scholars

Launched in June 2022



# RAI for Ukraine Research Program

The ongoing war in Ukraine has severely disrupted the lives of hundreds of thousands of people, significantly impacting university students by displacing many and interrupting their education. To address this, the **NYU Center for Responsible AI (NYU R/AI)** at the **NYU Tandon School of Engineering**, under the leadership of Prof. Julia Stoyanovich, launched a fully remote academic research program in partnership with the **Ukrainian Catholic University (UCU)** in Lviv.



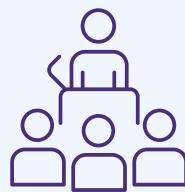
## RAI RESEARCH FELLOWS

72 students—including 28 women—from 11 Ukrainian universities



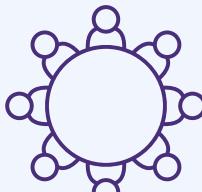
## RAI MENTORS

47 mentors including faculty, PhD students, and postdocs from 23 U.S. and European academic institutions



## PROJECTS

68 projects with 6 peer-reviewed publications in top computer science and data science venues to date



## GLOBAL COLLABORATION

Our program bridges cultural and geographical gaps, promoting peace and cooperation between nations.



# Program Goals

## TO PROVIDE

stable and enriching research opportunities  
to Ukrainian students

## TO CREATE

impactful and rewarding opportunities for  
advanced graduate students to teach and  
mentor junior colleagues

## TO STRENGTHEN

Ukraine's research capacity in STEM - and  
specifically in responsible AI

## Our Partners

**RAI for Ukraine** is a collaboration between the **NYU Tandon School of Engineering**, which provides academic support, and **Ukrainian Catholic University**, which interfaces with a large network of institutions in Ukraine, evaluates students' credentials, and offers academic credit towards their degrees.

**NYU R/AI** finances the program and coordinates its research component with participation from US-based and international colleagues. Financial support is also provided by generous contributions from **Simons Foundation** and the **NYU Office of Global Programs**.





If you wish to be a part of the program, fill out a form on our website.

**RAI for Ukraine** is open to undergraduate and graduate students who live in Ukraine and are enrolled in degree programs in computer science, information systems, and related fields at accredited Ukrainian Universities.

Under the mentorship of leading academic experts, **RAI Research Fellows** engage in cutting-edge collaborative projects on algorithmic fairness and transparency, privacy and data protection, and responsible data-centric AI.

The program concludes with a public virtual showcase, where **RAI Research Fellows** present their findings, many of which lead to submissions to major conferences and scientific journals.

## Why Join Our Program?

### RESEARCH FELLOWS

- Gain research experience
- Build your resume
- Receive academic credit/stipend
- Establish global collaborations

### MENTORS

- Support Ukraine
- Establish global collaborations
- Enhance your mentorship skills
- Participate in cultural exchange

### DONORS

- Support Ukraine
- Build a better future
- Strengthen international collaboration



# “ RAI Research Fellows' Testimonials ”



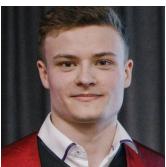
“This program had a great balance between practical and theory based learning. We spoke a lot about ethics, general fairness, philosophy and sociology. But it was also practical because we were looking at data based on everything we had discussed.”

~ A. Holovenko, 2022 RAI Research Fellow, graduate student, UCU



“I met new people, and I had never worked in this field, and it was new to me. Previously, I only had exposure to Machine Learning research, but this time I got to read papers on sociology, which gave me a new perspective. Just learnt a bunch of new things I'd never tried or experienced.”

~ A. Standnik, 2022 RAI Research Fellow, undergraduate student, UCU



“For me, this internship was an invaluable opportunity to learn new concepts 'on the job.' I particularly appreciated its structured approach, which included both hands-on projects and weekly lectures covering various topics in Responsible AI.”

~ D. Herasymuk, 2023 RAI Research Fellow, graduate student, UCU



“This program is extremely interesting and allowed me to meet incredible people with whom we wrote a paper and present it at FAccT 2023. Also, we continue to work on further research. This program introduced me to the area of Responsible AI, which formed the basis of my master's thesis and made me interested in continuing this topic in PhD.”

~ N. Drushchak, 2023 RAI Research Fellow, graduate student, UCU



“This collaboration gave me an opportunity to write an "A" bachelor's thesis, and I was able to implement my research for a practical application in a company called RelationalAI, where I got the Research Intern position. Overall, the program gave me great connections and an opportunity to bring my ideas into reality. My mentors helped me at every step of that journey, and none of this would've been possible without the NYU R/AI.”

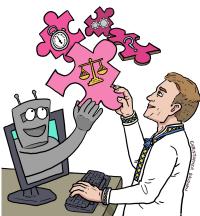
~ M. Bondarenko, 2023 RAI Research Fellow, graduate student, UCU



“I would like to thank the organizers and mentors for the opportunity to learn research. High-level organization, program structure, and constant support from mentors are three key factors that allowed me to improve myself. This program is a great example of such high-quality research training. The experience has definitely helped me understand the essence of research and has been imprinted on me for years.”

~ D. Orel, 2023 RAI Research Fellow, graduate student, NaUKMA

# Selected Publications



## Responsible Model Selection with Virny and VirnyView

Denys Herasymuk, Falaah Arif Khan, and Julia Stoyanovich

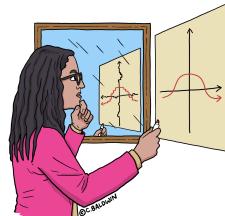
Demonstration at the International Conference on Management of Data, SIGMOD/PODS, Santiago, Chile 2024



## The Possibility of Fairness: Revisiting the Impossibility Theorem in Practice

Andrew Bell, Lucius Bynum, Nazarii Drushchak, Tetiana Zakharchenko, Lucas Rosenblatt, and Julia Stoyanovich

In Proceedings of the ACM Conference on Fairness, Accountability, and Transparency, FAccT, Chicago, IL, USA 2023



## Epistemic Parity: Reproducibility as an Evaluation Metric for Differential Privacy

Lucas Rosenblatt, Bernease Herman, Anastasia Holovenko, Wonkwon Lee, Joshua R. Loftus, Elizabeth McKinnie, Taras Rumezhak, Andrii Stadnik, Bill Howe, and Julia Stoyanovich

Proceedings of the VLDB Endowment 2023; Best Experiment, Analysis, & Benchmark Paper Runner-up Award



## An Interactive Introduction to Causal Inference

Lucius E.J. Bynum, Falaah Arif Khan, Oleksandra Konopatska, Joshua R. Loftus, and Julia Stoyanovich

VISxAI: Workshop on Visualization for AI Explainability 2022