

RAI for Ukraine

Responsible
AI Research for
Ukrainian
Scholars

Launched in June 2022



<https://r-ai.co/ukraine>



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

71 students—including 28 women—from 12 Ukrainian universities



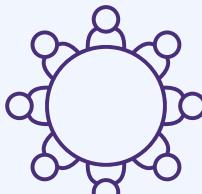
RAI MENTORS

48 mentors including faculty, PhD students, and postdocs from 23 U.S. and international academic institutions



PROJECTS

40 projects with 17 peer-reviewed publications to date in top computer science and data science venues



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 Services**.





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

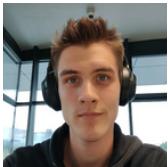
- Support Ukraine
- Build a better future
- Strengthen international collaboration

“ RAI Research Fellows' Testimonials ”



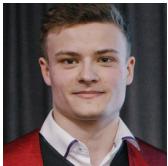
“This program had a great balance between practical and theory based learning. We spoke a lot about ethics, general fairness, philosophy and sociology. But it was also practical because we were looking at data based on everything we had discussed.”

~ 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.”

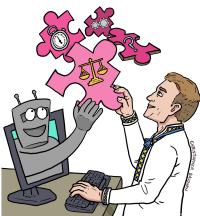
~ M. Bondarenko, 2023 RAI Research Fellow, graduate student, UCU



“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

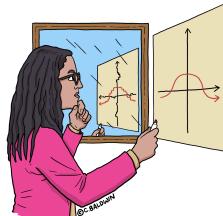
Selected Publications



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



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



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



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

