ANNA SOKOL

PhD Student, Department of Computer Science and Engineering
University of Notre Dame

asokol@nd.edu

EDUCATION

University of Notre Dame .... **2022 – present**
Ph.D. in Computer Science .... *Notre Dame, IN, USA*

Higher School of Economics .... **2016 – 2018**
M.A. in Sociology .... *Moscow, Russia*

Vladimir State University .... **2012 – 2016**
B.A. in Sociology .... *Vladimir, Russia*

FELLOWSHIPS AND MEMBERSHIPS

IBM Technology Ethics Lab Fellow **2025**
University of Notre Dame .... *Notre Dame, IN, USA*

Graduate Justice Fellow .... **2024 – 2025**
University of Notre Dame .... *Notre Dame, IN, USA*

Lucy Graduate Scholar .... **2023 – 2025**
University of Notre Dame .... *Notre Dame, IN, USA*

Open Research Laboratory Fellow **2022**
University of Illinois Urbana–Champaign .... *Urbana–Champaign, IL, USA*

International Network for Social Network Analysis .... **2020 – 2022**
Member .... *Moscow, Russia*

International Political Science Association .... **2020 – 2022**
Member .... *Moscow, Russia*

PUBLICATIONS

1. T. Nagar, G. Khvatskii, **A. Sokol**, N. V. Chawla, "Breaking Language Barriers: Equitable Performance in Multilingual Language Models," *Proceedings of the 2025 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*, Albuquerque, NM, USA, 2025. arXiv:2508.12662.

2. **A. Sokol**, M. L. Sisk, J. E. Alvarez, N. Chawla, "Ventana a la Verdad (Window to the Truth): A Chatbot Application for Navigating the Colombian Truth Commission's Archives," *Proceedings of the Eighteenth ACM International Conference on Web Search and Data Mining (WSDM '25)*, 2025.

3. **A. Sokol**, E. Daly, M. Hind, D. Piorkowski, X. Zhang, N. Moniz, N. Chawla, "BenchmarkCards: Standardized Documentation for Large Language Model Benchmarks," *arXiv preprint* arXiv:2410.12974, 2024.

4. **A. Sokol**, N. Moniz, N. Chawla, "Conformalized Selective Regression," *arXiv preprint* arXiv:2402.16300, 2024.

5. V. Kuskova, D. Zaytsev, G. Khvatsky, **A. Sokol**, "Neural Network Modeling and What-If Scenarios: Applications for Market Development Forecasting," in *Applications in Reliability and Statistical Computing*, H. Pham (Ed.), Springer, 2023, pp. 271–288. doi:10.1007/978-3-031-21232-1_14.

6. D. G. Zaytsev, V. V. Kuskova, G. S. Khvatsky, **A. A. Sokol**, "Searching for coherence in a fragmented field: Temporal and keywords network analysis in political science," *Network Science* 11(1), 113–142, 2023. doi:10.1017/nws.2022.39.

7. V. V. Kuskova, D. G. Zaytsev, G. S. Khvatsky, **A. A. Sokol**, M. D. Vorobeva, R. A. Kamalov, "Expanding the boundaries of interdisciplinary field: Contribution of *Network Science* journal to the development of network science," *Network Science* 11(1), 65–97, 2023.

8. G. S. Khvatsky, D. G. Zaytsev, V. V. Kuskova, **A. A. Sokol**, "Computational Tools of Media Analysis for Corporate Policy Effectiveness Evaluation: Models and Their Reliability," in *Reliability and Maintainability Assessment of Industrial Systems: Assessment of Advanced Engineering Problems*, Springer, 2022, pp. 51–71.

9. K. Valentina, Z. Dmitry, S. Anna, K. Gregory, "Neural network modeling and what-if scenarios: Applications to various-term sales forecasts," *Proceedings of the 26th ISSAT International Conference on Reliability and Quality in Design*, 2021, pp. 122–126. link.

10. D. G. Zaytsev, A. I. Galina, **A. A. Sokol**, "Cross-National Comparison of Protest Publics' Roles as Drivers of Change: From Clusters to Models," in *Protest Publics: Toward a New Concept of Mass Civic Action*, 2019, pp. 157–182.

CONFERENCES

NAACL — Annual Conference of the North American Chapter of the ACL   **2025**
Albuquerque, NM, USA

Doctoral Forum, SIAM International Conference on Data Mining (SDM25)   **2025**
Alexandria, VA, USA

AAAI — The 39th Annual AAAI Conference on Artificial Intelligence   **2025**
Philadelphia, PA, USA

ADSA Annual Meeting   **2024**
Ann Arbor, MI, USA

8th CODS–COMAD 2024 (12th IKDD CODS and 30th COMAD)   **2024**
Jodhpur, India

Sunbelt Conference of the International Network for Social Network Analysis   **2023**
Portland, OR, USA

118th APSA Annual Meeting & Exhibition   **2022**
Montreal, Canada

5th European Conference on Social Networks   **2021**
Naples, Italy

XXII April International Scientific Conference on Economic and Social Development   **2021**
Moscow, Russia

26th World Congress of Political Science   **2021**
Lisbon, Portugal

The European Consortium for Political Research   **2021**
Virtual Event

Networks in the Global World   **2020**
St. Petersburg, Russia

Sunbelt Conference of the International Network for Social Network Analysis   **2020**
Paris, France

XX April International Academic Conference on Economic and Social Development   **2019**
Moscow, Russia

ECPR General Conference   **2018**
Hamburg, Germany

Sunbelt Conference of the International Network for Social Network Analysis   **2018**
Utrecht, Netherlands

XIX April International Academic Conference on Economic and Social Development   **2018**
Moscow, Russia

ACADEMIC APPOINTMENTS

University of Notre Dame, DIAL Laboratory   **2022 – present**
Graduate Research and Teaching Assistant   *Notre Dame, IN, USA*

Higher School of Economics, International Laboratory for Applied Network Research   **2021 – 2022**
Program Deputy Academic Supervisor, Master of Data and Network Analytics   *Moscow, Russia*

Higher School of Economics, International Laboratory for Applied Network Research   **2017 – 2020**
Research Assistant   *Moscow, Russia*

OTHER ACADEMIC EXPERIENCE

- Associate Director and Statistical Consultant, DeMAS-Center

- Teaching assistant for on-campus courses at the University of Notre Dame:
    - Data Science
    - AI for Social Good

- Teaching assistant for online Coursera courses (until 2022) in the Master of Data and Network Analytics (MDNA):
    - Contemporary Data Analysis: Survey and Best Practices
    - Network Analysis
    - Advanced Probability Concepts and Stochastic Processes (closed specialization)

PROGRAMMING LANGUAGES AND APPLICATIONS

- Python, R, SQL; SAS, Stata; LaTeX; LISREL; SPSS; Gephi; Orange

MEMBERSHIP

- Member, study group "Civic Participation and Political Change Research and Study Group" (2017–2018)