Dariush **Wahdany**

RESEARCH ASSOCIATE · PhD CANDIDATE · FOUNDER

✉ hi@wahdany.eu 🏠 https://wahdany.eu ⬛ dwahdany in Dariush Wahdany ◆ Dariush Wahdany

Skills

Expertise	**Privacy-Preserving ML**, **Python**, **Academic Research**, **Scalable Experiments**
Languages	**English**, **German**, Russian, French
Technologies	**Python** (uv), **ML** (PyTorch, Mlflow), **Scalability** (Ray, Dask, Jax, Docker, S3), DevOps (CD)

Experience

Research Associate   Berlin, Germany

FRAUNHOFER AISEC   May 2022-Present

- Conducting research in privacy-preserving machine learning
- Developing practical solutions for secure AI applications
- Leading research initiatives in making AI systems more private and trustworthy

Co-Founder   Germany

NUNC.IMMO   2023-Present

- Leading a startup focused on innovating apartment search and rental processes
- Developing technology solutions with user-centric design principles

HIDA Visiting Researcher   Saarbrücken, Germany

CISPA HELMHOLTZ CENTER   2023

- Led research project on private machine learning for imbalanced transfer learning

Others   Various

- **Consultant @ Umlaut consulting** working on substation automation
- **Simulations Engineer @ Maon GmbH** for European energy market simulations
- **Working Student @ Siemens Healthineers** in product lifecycle management for medical electronics
- **Research Assistant @ IAEW RWTH Aachen** working on renewable energy integration
- **Supervisor @ Institute for Man-Machine Interaction** of student software projects

Education

Ph.D. Student in Privacy-Preserving Machine Learning   Berlin, Germany

FREIE UNIVERSITÄT BERLIN   May 2022-Present

- Pursuing doctoral research in privacy-preserving machine learning

M.Sc. Electrical Engineering, Computer Engineering and Information Technology   Aachen, Germany

RWTH AACHEN   2019-2022

- Specialized in electrical power systems and computer engineering

Master Thesis / IDEA League Visiting Researcher   Netherlands/Germany

TU DELFT & RWTH AACHEN   2021-2022

- Developed ML models for renewable energy forecasting systems
- End-to-End loss with differentiable optimization problems

B.Sc. Electrical Engineering, Computer Engineering and Information Technology   Aachen, Germany

RWTH AACHEN   2016-2019

- Specialized in electrical power system automation

2025-03-29   DARIUSH WAHDANY · RÉSUMÉ   1

Speaking

Privacy-Preserving AI in Public Administration   Berlin, Germany

OMNISECURE 2025   2025
- Talk on the chances and risks of AI in public administration applications.

Public Data Reuse Improves Private Imbalanced Transfer Learning   Munich, Germany

GOOGLE RESEARCH   2024
- Presented results from AAAI-25 paper 'Differentially Private Prototypes for Imbalanced Transfer Learning'

AI Privacy in Practice   Berlin, Germany

COSMO CONSULT   2024
- Presented practical applications of privacy-preserving AI techniques in business scenarios

Private Synthetical Data for Medical Research   Berlin, Germany

HEALTH & LAW NETWORK BERLIN   2023
- Presented on the use of synthetic data generation techniques to protect patient privacy.