

Wolf Rieder

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Education

Technische Universität Berlin

Oct 2024 – Mar 2028

Ph.D. in Computer Science

- Working towards a Ph.D. in the field of web privacy.
- Advisor: Prof. Dr. Axel Küpper (Service-centric Networking)

Technische Universität Berlin

Oct 2020 – Feb 2023

M.Sc. in Information Systems Management

- Continued education in Machine Learning, Data Science, Statistics, Technology Management, Digital Innovation, and Process Mining as part of my research-oriented Master's degree.
- **Thesis:** Design and Implementation of a Browser-Independent Supervised Classifier Using HTTP/S Response Headers

Technische Universität Berlin

Oct 2015 – Dec 2020

B.Sc. in Business Informatics

- Interdisciplinary study program at the intersection of computer science (main focus), mathematics, and business.
- **Thesis:** On the Usefulness of HTTP Responses to Identify Differences Between Non- and Web Trackers

Experience

Research Assistant

Berlin, BE Feb 2023 –

Technische Universität Berlin

Dec 2026

- Researching web privacy (esp. web tracking) and related fields such as web security, machine learning, and usability as part of my PhD thesis (started in Oct 2024).
- Formulating novel research ideas to write and support research grant proposals.
- Recruiting, managing, and supervising students (Bachelor and Master), incl. theses.
- Peer-reviewing submitted papers from various conferences as a sub-reviewer and shadow TPC member.
- Responsible for our Master's course "Internet of Services Lab" where students can work together on current research problems as part of a project and/or seminar.
- Researched "Digital Process Chains" and business processes for the automotive industry and participating in the development of a "Reallabor" at the Mercedes-Benz Digital Factory Campus ([Project: Werk 4.0](#) [🔗](#)).
- Built an Industry 4.0 lab at our research group to conduct experiments and to evaluate the developed concepts from our research project Werk 4.0.

Working Student – Business Process Automation

Berlin, BE

PwC Deutschland

Sep 2022 – Feb 2023

- Worked on several projects to automate business processes of internal departments and external companies.
- Programmed in JavaScript and modeled business processes with BPMN and DMN in SAP Signavio.
- Presented progress to different stakeholders and implemented upcoming change requests.

Student Teaching Assistant

Berlin, BE

Technische Universität Berlin

Nov 2018 – Sep 2022

- Taught class-size groups of students in various courses, namely "Introduction to Programming with Java", "Business Processes", and "Web Technologies".
- Helped with the planning and preparation of these classes and corrected homework assignments as well as exams.
- Created new tasks and material for students to improve their learning experience.

Teaching and Mentoring Experience

Internet of Services Lab (Project & Seminar for Master)

Mar 2023 - Sep 2026

- As the course instructor, I am responsible for all organizational matters and lectures.
- Supervising and grading students on research-oriented project and seminar topics in web privacy, web security, machine learning, large language models, and LLM-based agents.
- Selected supervised topics:
 - Project: *Optimizing Web Content for AI Agents: Detection and Adaptation Strategies*
 - Project: *Meta-Science: Reproducibility Study of Machine Learning-based Classifiers for Web Tracker Detection*
 - Seminar: *A theoretical Exploration of the Agentic Web: A Categorical-Theoretic View of AI agents, Web Tracking, and Advertising*
 - Seminar: *A Systematic Analysis on how Web Trackers can Evade Machine Learning-based Detection Approaches over Time*

Mentoring of Thesis Students (Bachelor's and Master's)

June 2023 - Present

- Supervising and grading students (n=8) on self-developed thesis topics in web privacy, web security, machine learning, large language models, LLM-based agents, and business process management.
- Selected supervised topics:
 - Master: *Diarkos: A Platform Enabling Federated Continual Learning for Web Tracker Detection*
 - Master: *Agentic Process Automation: An LLM-backed Approach to autonomously execute Textual Workflow Descriptions*
 - Bachelor: *Exploring the Relationship between Web Trackers and their Privacy Policies*
 - Bachelor: *Using Graph Neural Networks for Web Tracker Detection*

Publications

SoK: After Decades of Web Tracker Detection, What's Next?

IEEE S&P 2026

Wolf Rieder, Philip Raschke, Thomas Cory, Christian René Sechting, Aditya Kumar, Axel Küpper.

IEEE Symposium on Security and Privacy. Conference (ICORE-Rank: A*, h5-index: 110)

Roles: *Conceptualization, Methodology, Project Administration, Supervision, Data Curation, Analysis, Investigation, Software, Validation, Visualization, Writing, Editing* (Based on the Contributor Roles Taxonomy (CRediT))

Accepted and to be published in April 2026 ([Preprint](#) [↗](#)).

Word-level Annotation of GDPR Transparency Compliance in Privacy Policies using Large Language Models

PETS 2026

Thomas Cory, **Wolf Rieder**, Julia Krämer, Philip Raschke, Patrick Herbke, Axel Küpper. Privacy Enhancing Technologies Symposium. Journal (ICORE-Rank: A, h5-index:

56)

Roles: *Methodology, Investigation, Visualization, Writing, Editing*

[10.56553/popets-2026-0026](https://doi.org/10.56553/popets-2026-0026) [↗](#)

Beyond the Request: Harnessing HTTP Response Headers for Cross-Browser Web Tracker Classification in an Imbalanced Setting

PETS 2025

Wolf Rieder, Philip Raschke, Thomas Cory.

Privacy Enhancing Technologies Symposium. Journal (ICORE-Rank: A, h5-index: 56)

Roles: *Conceptualization, Methodology, Project Administration, Supervision, Data Curation, Analysis, Investigation, Software, Validation, Visualization, Writing, Editing*

[10.56553/popets-2025-0007](https://doi.org/10.56553/popets-2025-0007) [↗](#)

Realization of a Digital Process Chain Architecture: Rapid Reconfiguration of Production Machines for Product Changes

ISM 2025

Nico Schramm, Tim Erik Richter, Kai Grunert, Ismail Can, Aaron Hoppe, Till Tschiltschke, Moritz Chemnitz, Matthias Stollenwerk, Thomas Cory, **Wolf Rieder**
International Conference on Industry of the Future and Smart Manufacturing. Conference (Unranked)

Roles: *Project Administration, Supervision, Investigation, Validation, Writing, Editing*

[10.1016/j.procs.2026.02.076](https://doi.org/10.1016/j.procs.2026.02.076) [🔗](#), [Best Paper Award]

Development of a Reference Architecture for an Integrated Digital Process Chain

ZWF 2025

Nico Schramm, Kai Grunert, Tim Erik Richter, **Wolf Rieder**, Ismail Can, Aaron Hoppe, Till Tschiltschke, Matthias Stollenwerk, Moritz Chemnitz

Zeitschrift für wirtschaftlichen Fabrikbetrieb. Journal (SJR: 0.35, h5-index: 15)

Roles: *Project Administration, Investigation, Validation, Visualization, Writing, Editing*

[10.1515/zwf-2025-1050](https://doi.org/10.1515/zwf-2025-1050) [🔗](#)

Operational Characteristics of decentralized Process Management Systems based on Architectural Properties of Process Execution Systems

ICSOC 2024

Kai Grunert, Janis Joderi Shoferi, Lucas Gold, **Wolf Rieder**, Axel Küpper. International Conference on Service-Oriented Computing. (ICORE-Rank: A, h5-index: 21)

Roles: *Writing, Editing*

[10.1007/978-981-96-0805-8_26](https://doi.org/10.1007/978-981-96-0805-8_26) [🔗](#)

A Qualitative Analysis Framework for mHealth Privacy Practices

EuroS&PW 2024

Thomas Cory, **Wolf Rieder**, Thu-My Huynh. IEEE European Symposium on Security and Privacy Workshops. (ICORE-Rank for main conference: A)

Roles: *Methodology, Validation, Visualization, Writing, Editing*

[10.1109/EuroSPW61312.2024.00010](https://doi.org/10.1109/EuroSPW61312.2024.00010) [🔗](#)

Faculty Service

Technische Universität Berlin

Jun 2024 – Present

Member of the Selection Committee of the Deutschlandstipendium for the Faculty IV - EECS

- Reviewed TU Berlin applications for the Deutschlandstipendium scholarship programme initiative of the Federal Ministry of Research, Technology and Space (BMFTR).

Technische Universität Berlin

Apr 2023 – Present

Member of the Examination Board for the Faculty IV - EECS

- For the study programs: Business Informatics (Bachelor), Information Systems Management (Master), and for ICT Innovation (Master) since 2024.
- Reviewed university applications for the above-mentioned study programs.

Technische Universität Berlin

Oct 2023 – May 2024

Member of an Appointment Committee for a new professor of computer science

Technische Universität Berlin

Oct 2021 – Apr 2023

Student Mentor

- Counseled students individually and in group sessions to help promote personal and educational motivation.
- Helped to prepare and run orientation days for first-year students of Faculty IV.

Professional Service

Internet Measurement Conference (ICORE-Rank: A, h5-index: 43)

April 2026 – Present

Member of the Shadow Technical Program Committee (STPC)

- Participating in the peer-review process of the Internet Measurement Conference by reviewing the submitted papers and discussing them with fellow STPC members to learn and gain experience as a reviewer.

Technical Skills

Languages: Python, Java, SQL, JavaScript, Prompt Engineering, BPMN, DMN, R, Matlab

Technologies: Ollama, Gemini, Claude, GPT, Docker, Git, Google Cloud, SAP Signavio, Unix/Linux.

Machine Learning Tools: scikit-learn, XGBoost, TensorFlow, Pandas, NumPy, SciPy, Matplotlib.

Languages

German: Native or bilingual proficiency.

English: Professional working proficiency.

Training

Jointly organized by the BIFOLD Graduate School, the Cluster of Excellence "Science of Intelligence" and the Weizenbaum Institute

Sep 2025

Berlin Summer School of Artificial Intelligence and Society, Topic: Open Science and Open Data

Scientific Continuing Education and Cooperation (ZEWK)

Jan 2025

Good scientific practice in doctoral studies (Online Course)

Scientific Continuing Education and Cooperation (ZEWK)

Apr 2024

Scientific Writing (Course)

Berlin University Alliance (BUA)

Nov 2023

Kick-Off Your Doctorate (Workshop)

Berlin Institute for the Foundations of Learning and Data (BIFOLD)

Sep 2023

BIFOLD Weizenbaum Summer School, Topic: AI and Ecological Sustainability

Certifications

IBM

Issued Aug 2022

Enterprise Design Thinking Practitioner

DataCamp

Issued May 2022

Data Scientist with Python

Technische Universität Berlin

Issued Mar 2022

Intercultural Basic Qualification

Celonis

Issued Feb 2022

Process Mining - From Theory to Execution

Technische Universität Berlin

Issued Jul 2021

Intellectual Property (IP) Management