

Tobias Braun

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Google Scholar: scholar.google.de/citations?user=wqVWJNIAAAAJ&hl

EDUCATION

University College London , Systems Security Lab - Prof. Dr. Lorenzo Cavallaro <i>The visit is embedded in ELLIS's European network of leading AI research institutions.</i>	London, UK June 2026 – present
Technical University of Darmstadt , Multimodal AI Lab - Prof. Dr. Marcus Rohrbach <i>3rd Year PhD Student, Robust Multimodal Learning, ELLIS PhD Candidate</i>	Darmstadt, DE Mar 2024 – present
Columbia University , School of Engineering and Applied Science <i>M.S. Operations Research, GPA: 3.9/4.0</i>	New York City, USA Aug 2018 – Dec 2019
Universitat Politècnica de Catalunya , School of Industrial Engineering (ETSEIB) <i>Exchange semester, Top 1%, Full scholarship funded by the European Commission</i>	Barcelona, ES Feb – Aug 2017
Karlsruhe Institute of Technology <i>B.S. Industrial Engineering, 1.4 (With distinction, Top 5%)</i>	Karlsruhe, DE Sep 2014 – Aug 2017

PUBLICATIONS

Conferences

<i>GEM: Geometric Erasure by Contrastive Velocity Matching in Rectified Flows</i>	Spotlight - ICML 2026
<i>Erased but Not Forgotten: How Backdoors Compromise Concept Erasure</i>	ICML 2026
<i>Defame: Dynamic Evidence-based Fact-checking with Multimodal Experts</i>	ICML 2025

Workshops

<i>Tuning Just Enough: Lightweight Backdoor Attacks on Multi-Encoder Diffusion Models</i>	ICLR 2026 Workshop
<i>Erased but Not Forgotten: How Backdoors Compromise Concept Erasure</i>	ICML 2025 Workshop
<i>InFact: A Strong Baseline for Automated Fact-checking</i>	FEVER 2024 Workshop

WORK & RESEARCH EXPERIENCE

Independent ML Engineer

<i>Industry</i> - Conducted 60+ workshops to integrate AI across diverse sectors - Built a predictive model to prevent dropouts in a scholarship program for <i>ImmerLearn</i> - Developed NLP querying software for ESG report analysis for Atlas Metrics (Novata)	Global Sep 2020 – today
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Technical University of Darmstadt

<i>Research & Teaching</i> - Led Statistical Machine Learning Course with more than 500 registered students - Supervised numerous Bachelor and Master theses in Robust Machine Learning	Darmstadt, DE Mar 2024 – present
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Columbia University in Cooperation with Facebook

<i>Research</i> Activation analysis of SQL queries to improve the understanding of NLP	New York City, USA Jun 2020 – Aug 2020
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ADDITIONAL SKILLS AND INTERESTS

Achievements: Accepted as ELLIS PhD Candidate & Gold Reviewer @ ICML2026

Languages: German (fluent), Spanish (fluent), French (basic)

Interests: Chess, Fitness, Lifeguard, Writer, Extreme Sports, Activist