

Felix Gröner

Contact me at fgroener@asu.edu

Find an interactive CV at <https://groenerfelix.github.io>

Also find me on [Google Scholar](#) and [LinkedIn](#)!

Publications

Gröner, F., & Chiou, E. K. (2024). Investigating the Impact of User Interface Designs on Expectations About Large Language Models' Capabilities. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. <https://doi.org/10.1177/10711813241260399>

Kraus, J. M., Merger, J., **Gröner, F.**, & Pätz, J. (2023). 'Sorry' Says the Robot: The Tendency to Anthropomorphize and Technology Affinity Affect Trust in Repair Strategies after Error. *Companion of the 2023 ACM/IEEE International Conference on Human-Robot Interaction* (pp. 436-441). <https://doi.org/10.1145/3568294.3580122>

Academic Projects

GUI for Directing Expectations for LLMs

Ongoing dissertation project

- Catalog people's expectations for Capabilities and Limitations of Large Language Models (LLMs)
- Design UI elements that leverage insights from cognitive psychology to intuitively direct people towards appropriate expectations

LLMs inferring individual preferences from edits to their outputs

Side Project in 2025

- Do LLM-generated summaries improve as stylistic preferences are inferred from previous interactions?
- Can simulations with synthetic users predict the outcome of experiments with human participants?

People and LLMs learning each other's competencies

Class Project in AI Safety in 2025

- Can people accurately calibrate their expectations for LLMs in various domains?
- Can LLMs identify whether they or the individual prompting them is more competent?

Generative AI for Intelligence Reporting

Sponsored project in 2024

- Investigating people's trust in and reliance on AI-generated intelligence reports
- Prompting Large Language Models (LLMs) to follow practitioners' standards of intelligence reporting

Effects of Explainable AI on Trust and Adherence

Master Thesis at Ulm University in 2022

- Provided global (linear surrogate) and local (LIME) explanations for loan application decisions

Education

Ph.D. Human Systems Engineering

Arizona State University, Mesa, AZ

Expected August 2026

GPA 4.0

- Topics: Research methods, statistics, user-centered design, human-computer interaction, science-technology-society, safety of cyber-physical systems

M.Sc. Cognitive Systems

Ulm University, Ulm, Germany

June 2024

- Thesis: The Role of Explainable Artificial Intelligence (XAI) in Trust and Adherence to AI Recommendations
- Topics: Modeling of cognitive systems, cognitive psychology, brain-computer interfaces, human-robot

M.A. International Politics and International Law

Kiel University, Kiel, Germany

December 2022

B.A. Political Science and Computer Science

Kiel University, Kiel, Germany

December 2020

B.Sc. Business Information Systems

Kiel University, Kiel, Germany

December 2019

Relevant Work Experience

Graduate Research Assistant

December 2023 – April 2025

Center for Accelerating Operational Efficiency (CAOE)

- Developing and programming a LLM-powered chatbot web application study paradigm with behavioral data recording
- Planning and preparing a study with human participants (IRB, Qualtrics, Prolific)
- Presenting at conferences (e.g., CAOE annual meeting 2024 in D.C.) and meetings with stakeholders from CAOE, DHS, USAF

Graduate Teaching Assistant

August 2023 - December 2023

Arizona State University

- Taught Information Technology 101: Python programming, Raspberry Pi

Undergraduate Research Assistant

June 2022 - August 2023

Human Factors at Ulm University

- Co-authored a research paper on the effects of trust repair strategies for robots
- Assisted in managing a large project studying passersby's perception of autonomous robots in public spaces