

# Felix Gröner

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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

Expected August 2026

Arizona State University, Mesa, AZ

**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

June 2024

Ulm University, Ulm, Germany

- 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

December 2022

Kiel University, Kiel, Germany

### B.A. Political Science and Computer Science

December 2020

Kiel University, Kiel, Germany

### B.Sc. Business Information Systems

December 2019

Kiel University, Kiel, Germany

## 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., CAO E annual meeting 2024 in D.C.) and meetings with stakeholders from CAO E, 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