

Mina Remeli

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I am a PhD student at the Max Planck Institute for Intelligent Systems (Tübingen, Germany), co-supervised by [Moritz Hardt](#) and [Bob Williamson](#). My research investigates sociotechnical systems, focusing on the interface between Large Language Models (LLMs) and society. Specifically, I study how LLMs function within social media platforms and the broader research ecosystem, aiming to uncover both how these models reflect reality and how they actively shape it.

EDUCATION

- Budapest University of Technology and Economics**, Budapest, Hungary 2016-2020
Computer Engineering BSc with honors
- University of Cambridge**, Cambridge, UK 2021-2022
MPhil in Advanced Computer Science with distinction
- IMPRS-IS**, Tübingen, Germany September 2022 – Present
Doctoral Program (University of Tübingen)

EXPERIENCE

- Undergraduate Teaching Assistant** 2018
Communication Networks I (Vilmos Simon)
- Undergraduate Research Assistant** 2019-2021
CrySyS Lab (Gergely Ács)
- Graduate Teaching Assistant** 2023-2024
Mathematics for Machine Learning (Armando Cabrera Pacheco)

PUBLICATIONS

- Remeli, M., Lestyán, S., Acs, G., & Biczók, G. (2019, October). **Automatic Driver Identification from In-Vehicle Network Logs**. In *2019 IEEE Intelligent Transportation Systems Conference (ITSC)* (pp. 1150-1157). IEEE.
- Pejo, B., Remeli, M., Arany, A., Galtier, M., & Acs, G. (2022). **Collaborative Drug Discovery: Inference-level Data Protection Perspective**. *Transactions on Data Privacy*, 15(2), 87-107.
- Gazdag, A., Lestyán, S., Remeli, M., Ács, G., Holczer, T., & Biczók, G. (2023). **Privacy pitfalls of releasing in-vehicle network data**. *Vehicular Communications*, 39, 100565.
- Remeli, M., Hardt, M., & Williamson, R. C. (2024). **Limits to predicting online speech using large language models**. *arXiv preprint arXiv:2407.12850*.
- Remeli, M., & Hardt, M. (2026). **Correct looks better: Pairwise comparisons reveal accuracy rankings**. *To appear in Proceedings of the 43rd International Conference on Machine Learning. Proceedings of Machine Learning Research (PMLR)*.

PAST PROJECTS

Driver fingerprinting

2018-2019

BSc project (supervised by [Gergely Ács](#))

Can people be identified based on how they drive?

- [second place](#) at the Students' Scientific Association in 2018
- [published](#) in 2019

Commit classification

2019

BSc thesis (supervised by [Gábor Horváth](#) and Nándor Kollár, Cloudera)

Can we build a classifier that tells us whether a commit contains a bug or not?

- [first place](#) at the Students' Scientific Association in 2019

Attacks in a federated learning setting

2020-2021

Research assistant (supervised by [Gergely Ács](#))

Can training data be leaked in collaborative drug discovery?

- [published](#) in 2022

Exploring bad minima in transfer learning

2021-2022

MPhil dissertation (supervised by [Ferenc Huszár](#))

Can we find minima that generalize, but don't transfer well?

- got awarded the prize for Highly Commended M.Phil Project

Predictability of online speech

2023-2024

Doctoral project (supervised by [Moritz Hardt](#) and [Bob Williamson](#))

Is social media users' online speech predictable using LLMs?

- presented at [ICML workshop: Humans, Algorithmic Decision-Making and Society](#) [2024]

Pairwise comparison based ranking

2025-2026

Doctoral project (supervised by [Moritz Hardt](#))

Can we evaluate LLMs using pairwise comparisons?

- [published](#) in 2026