

Maximilian K. Egger

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www.linkedin.com/in/eggermax/

Age: 27
Nationality: Austrian

EDUCATION

Aarhus University

PhD student

2022 / 11 - today

Research topics:

- Knowledge Graphs
- Data Mining
- Data Quality
- Graph Databases

Aarhus University

Master of Computer Science

2021 / 9 - 2024 / 10

University of Vienna

Bachelor of Computer Science

2018 / 10 - 2021 / 07

- Specialization Scientific Computing
- Thesis topic, A formation of stable coalitions in hedonic games with a local approach

PROFESSIONAL EXPERIENCE

Aarhus University

Teaching Assistant

Aarhus, Denmark

2022 / 02 - today

- Spring 2022, Optimization
- Spring 2023, Data Mining
- Autumn 2023, Introduction to Python and Data Science
- Spring 2024, Data Mining
- Autumn 2024, Introduction to Python and Data Science

University of Vienna

Teaching Assistant in research group Scientific Computing

Vienna, Austria

2020 / 04 - 2022 / 02

Arbeiter Samariterbund

EMT

Vienna, Austria

2015 / 09 - 2016 / 05

- mandatory alternative service, instead of national military service

OTHER EXPERIENCE

Scouts

Member, adult leader

Vienna, Austria / Aarhus, Denmark

2003 / 09 - today

Arbeiter Samariterbund

Volunteer EMT

Vienna, Austria

2016 / 06 - 2021 / 08

24th World Scout Jamboree 2019

EMT

West Virginia, USA

2019 / 07 - 2019 / 08

SKILLS

- **Language Skills** - German (native), English, Danish
- **Programming Languages** - C++, Python
- **Tools** - Docker, Kubernetes, SQL, Neo4j
- **Other** - First Aid

PUBLICATIONS

ReliK: A Reliability Measure for Knowledge Graph Embeddings

Maximilian K. Egger, Wenyue Ma, Davide Mottin, Panagiotis Karras, Ilaria Bordino, Francesco Gullo, Aris Anagnostopoulos

2024 ACM Web Conference (TheWebConf 2024)

Reachability-Aware Fair Influence Maximization

Wenyue Ma, Maximilian K. Egger, Andreas Pavlogiannis, Yuchen Li, Panagiotis Karras

The 8th APWeb-WAIM joint International Conference on Web and Big Data (APWeb-WAIM 2024)

AWARDS

Award for the most distinguished PhD student

ACM Summer School on Data Science 2023

To whom it may concern

Maximilian is a brilliant 3rd year PhD student currently enrolled in a PhD program. As the main supervisor, I recognize the undoubted abilities and motivation in his research. He is an invested, self-driven, and very determined PhD student.

In his PhD, Maximilian is studying the problem of *Robust information seeking in knowledge graphs*, a topic that has significant impact nowadays due to the proliferation of Large Language Models that require semantic understanding of concepts to return reliable answers. During the past two years, Maximilian already achieved outstanding results for a young PhD student, namely **one publication at The Web Conference 2024**, flagship venue in Data and Web Mining, and a **work under submission at KDD 2025**, premier venue for Database research. The work published at The Web Conference 2024, ReliK, paves the way to define a measure of reliability on machine learning methods applied to Knowledge Graphs. Besides this, Maximilian has participated to the ACM Data Science summer school and the VLDB summer school, winning the **award for the most distinguished PhD student**.

He is currently at a research visit supervised by prof. Fabian Suchanek, leading expert in data mining for knowledge graphs. This visit is a natural continuation of his PhD and will further strengthen his profile.

I also had the opportunity of observing his strong motivation to explore the various facets of an academic career. His eagerness to understand the responsibilities and expectations within this field is evident, particularly in his approach to learning about the role of reviewers. This program provides him with a well-structured and comprehensive introduction to the world of academic peer reviews, from the other side.

Kind regards



Davide Mottin
Associate Professor

Dept. of Computer Science

Davide Mottin
Associate Professor

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