EDUCATION

Technical University of Munich — *Munich, Germany*
PhD Informatics — since 04/2025
MSc Informatics (Final Grade: 1.4) — 04/2023 – 03/2025

University of Passau — *Passau, Germany*
BSc Mathematics (Final Grade: 1.5) — 10/2020 – 02/2023
BSc Computer Science (Final Grade: 1.6) — 10/2019 – 02/2023

PUBLICATIONS

How Language Model Agents Reshape Price Competition
Bichler, Hierhager, Köck, Pieroth — Preprint 2026
arXiv:2610.21711

Fair and Efficient Investment in Public Transportation
Bullinger, Elkind, Köck — WINE 2026
22nd Conference on Web and Internet Economics, to appear

Deep Reinforcement Learning Finds Bayes-Nash Equilibrium in Competitive Newsvendor Problems
Köck, Pieroth, Bichler — ICML 2026
Proc. 43rd Int. Conference on Machine Learning, PMLR 306

Visualization of Bipartite Graphs in Limited Window Size
Efrat, Evans, Köck, Kobourov, Miller — Acta Inf. 2025
Journal version: Acta Informatica 62(2), 2025
Conference version (Evans, Köck, Kobourov): SOFSEM 2024

TEACHING EXPERIENCE

Technical University of Munich — *Munich, Germany*
Teaching Assistant — since 04/2025
Exercise sessions and exam grading (*Operations Research*)
Coordination and supervision of tutors
Organising and teaching practical courses on deep RL and LLM agents
Supervision of Bachelor's and Master's theses

University of Passau — *Passau, Germany*
Student Tutor (multiple courses) — 10/2020 – 03/2022

WORK AND RESEARCH EXPERIENCE

University of Oxford — *Oxford, United Kingdom*
Visiting Research Student — 10/2024 – 03/2025

Paessler AG — *Nuremberg, Germany*
Working Student for Product Management — 07/2023 – 09/2024

University of British Columbia — *Vancouver, Canada*
Visiting International Research Student — 09/2022 – 03/2023

University of Passau — *Passau, Germany*
Student Researcher (OGDF) — 08/2022 – 03/2023
Software Engineering Lab — 03/2021 – 07/2021
Student Researcher (CodeDefenders) — 05/2020 – 06/2022

LEADERSHIP AND SERVICE

Student Committee FS MPIC — *TU Munich*
Head Organiser and other roles — since 04/2023

University of Passau — *Passau, Germany*
Chief Spokesperson, FSinfo Committee — 10/2019 – 07/2022
Executive Board, IEEE Student Branch — 10/2019 – 07/2022
Chief Spokesperson, Student Choir — 10/2019 – 07/2022

University of Passau — *Passau, Germany*
Co-Organiser, DMV-ÖMG Student Conference — 2021

Volunteer Fire Brigades — *Bavaria*
On-call firefighter — since 2011

KASSIAN KÖCK

AI FOR MARKETS

RESEARCH FOCUS

Learning in Strategic Multi-Agent Systems

LLMs in Economic Environments

Algorithmic Pricing and Competition Dynamics

METHODS

THEORY

Game Theory · Optimisation
Mechanism Design

MACHINE LEARNING

Multi-Agent Learning · Deep Learning
Reinforcement Learning · LLMs

COMPUTATION

Simulation · Numerical Experiments

CONTACT

kassian.koeck@tum.de
linkedin.com/in/kassian-koeck
www.koeck.one
Google Scholar

LANGUAGES

GERMAN	native
ENGLISH	C1
ITALIAN	B2

SCHOLARSHIPS

Makerspace @ UnternehmerTUM
Konrad Adenauer Foundation
TUM.ai Entrepreneurship-Lab

PERSONAL INTERESTS

Diving · Skiing · Sailing
Singing · Playing the accordion
Board games · Card games