Marco Kemmerling

EXPERIENCE

Group Leader — Jan. 2023 – Oct. 2024
RWTH Aachen University

- Led, mentored, and managed the 'Machine Intelligence Methodologies' group, comprising five research associates, to advance the practical application of intelligent methods in manufacturing
- Directed research projects by coordinating teams and managing stakeholder communications to ensure successful project delivery
- Led the conception and acquisition of publicly funded projects

Research Associate — Oct. 2018 – Dec. 2022
RWTH Aachen University

- Contributed to various publicly funded projects, including the development of model-based reinforcement learning approaches for production scheduling within the DFG-funded Excellence Cluster 'Internet of Production'
- Participated in multiple industry projects on diverse tasks such as anomaly detection, optimization and data analysis
- Engaged in collaborative research efforts, publishing findings in academic articles and presenting at international conferences
- Lectured and organized courses on computer science applications in engineering

Research Intern — Sep. 2017 – Feb. 2018
Maastricht University

- Developed, implemented, and tested a biologically inspired feedback mechanism for deep neural networks

EDUCATION

Dr.-Ing. (PhD Equivalent) — Oct. 2018 – Aug. 2024
RWTH Aachen University

- Dissertation Title: Job Shop Scheduling with Neural Monte Carlo Tree Search
- Grade: Summa Cum Laude (With Highest Honor)

M.Sc. Data Science — Sep. 2016 – Aug. 2018
Maastricht University

B.Sc. Knowledge Engineering — Sep. 2013 – Aug. 2016
Maastricht University

SKILLS & INTERESTS

Languages: German (Native), English (Fluent), Dutch (Basics)
Programming Languages: Python, Java, HTML, CSS, Javascript, SQL
Libraries & Tools: PyTorch, Scikit-learn, Weights & Biases, pandas, Matplotlib, Git
Interests: Guitar, Creating Music, Running