

Julian Dierkes

Curriculum Vitae

Weberstr. 9
52064 Aachen
Germany
☎ +49 160 91115311
✉ dierkes@aim.rwth-aachen.de
🐸 LabChameleon
in Julian Dierkes

Education

- Since 2023 **PhD Student**, *RWTH Aachen University*, Chair for AI Methodology
Working on Automated RL supervised by Professor Holger Hoos
- 2020-2022 **Computer Science M.Sc.**, *RWTH Aachen University*
Minor Mathematics, grade 1.1 (with distinction)
- 2018-2019 **Study Abroad**, *Keio University*, Tokyo
- 2016-2020 **Computer Science B.Sc.**, *RWTH Aachen University*, Grade 1.4 (very good)
Minor Mathematics, Among the 10% best graduates
- 2008-2016 **Abitur**, *St. Michael secondary school*, Ahlen, Grade 1.2 (very good)
Best student in Computer Science

Work Experience

- since 04.2023 **Collaborator, ProKI Network**, *AI in Industrial Engineering Applications*
Collaborating on the exploration of AI for industrial engineering solutions
- 01.2021-11.2022 **Student Assistant**, *Automatic Speech Recognition*, Chair i6 RWTH Aachen
Working on large-scale foundational models with cutting-edge self-supervised algorithms for feature representation learning
- 09.2019-12.2019 **Student Assistant**, *Machine Translation*, Chair i6 RWTH Aachen
Working on sentence embedding learning for machine translation systems

Scientific Contributions

- 2024 Co-organising the ICML Workshop on Automated Reinforcement Learning ([workshop website](#))
Lead authored the academic paper *ARLBench: Flexible and Efficient Benchmarking for Hyperparameter Optimization in Reinforcement Learning* accepted at EWRL and under peer-review at JMLR ([pdf](#))
Lead authored the academic paper *Combining Automated Optimisation of Reinforcement Learning Hyperparameters and Reward Shape* published in the Reinforcement Learning Conference 2024 ([pdf](#))
- 2023 Co-authored the academic paper *Efficient Utilization of Large Pre-Trained Models for Low Resource ASR* published in the 2023 IEEE International Conference on Acoustics, Speech, and Signal Processing Workshops ([pdf](#))

Awards

- 2019-2022 Receiving the *Porsche and Deutschland Stipendium* scholarship
- 2015 First prize in the category Mathematics at the *Dr. Hans-Riegel Fachpreise 2015* awarded with 500 €
- 2015 Among the 5% best participants in the *Bundeswettbewerb Informatik 2015*, a Germany wide Computer Science competition

Skills

- Software Engineering Skilled working with Linux, Git, Latex and complex development and cluster environments
Very experienced in Python, advanced knowledge of C++ and Java
- Languages German (Native Language), English (Fluent), Japanese (Basic)