

Jonathan Aechtner

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in jonathan-aechtner



Employment History

- 2019 – now **Working Student Data-Science.** 4K ANALYTICS
Using different machine learning algorithms on structured and unstructured data to provide valuable insights for player in the German healthcare system. Visualise findings with PowerBI. Designed and implemented a local chat-bot that streamlined access to internal documents, to enhance knowledge transfer within the company
- 2021, 2022 **Teaching Assistant Artificial Intelligence.** University College Maastricht; Maastricht University
Teaching one cohort of the course "Introduction to Artificial Intelligence" in the second Period of the Dutch academic year
- 2018 – 2019 **Working Student IT-Consulting.** BE-Terna
Analyzing and visualizing business processes in Microsoft DFO365, supporting the transition to Azure DevOps

Education

- 2021 – 2023 **M.Sc., Data Science for Decision Making** Maastricht University
Thesis title: Assessing Aggressive Driving Behaviour Using Attention Based Models.
- 2022 **Computer Science** Aarhus University
Exchange Semester
- 2016 – 2021 **B.Sc., Managment Information Systems** Leipzig University
Thesis title: Aktuelle Aspekte der Benutzerorientierung und der visuellen Datenrepräsentation von Business Intelligence Anwendungen.

Research Publications

Conference Proceedings

- 1 J. Aechtner, L. Cabrera, D. Katwal, P. Onghena, D. P. Valenzuela, and A. Wilbik, "Comparing user perception of explanations developed with xai methods," in *2022 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)*, IEEE, 2022, pp. 1–7. DOI: 10.1109/FUZZ-IEEE55066.2022.9882743.

Skills

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| Languages | Strong reading, writing and speaking competencies in English and German (Native). |
| Coding | Python , SQL , C++ |
| Deep-Learning | PyTorch , TENSORFLOW |
| Compute Infrastructure | Kubernetes , Red Hat OpenShift , Docker |
| Misc. | Academic research , teaching , LaTeX , consultation , client interactions . |

References

Available on Request