Leonard Traeger

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Cologne, Germany

EDUCATION

University of Maryland, Baltimore County   Baltimore, USA
Ph.D. in Information Systems; currently candidate with GPA: 3.97/4   *August. 2022 – Present*
Technical University of Cologne   Gummersbach, Germany
M.Sc. in Computer Science / Information Systems; grade 1.2/5 equiv. GPA: 3.8/4   *Mar. 2019 – Apr. 2022*
Macquarie University   Sydney, Australia
Exchange semester in Information Systems; grades HD, HD, C equiv. GPA: 3.2/4   *June. 2017 – Dec. 2017*
Technical University of Cologne   Gummersbach, Germany
B.Sc. in Business Information Systems; grade 1.7/5 equiv. GPA: 3.3/4   *Aug. 2015 – Feb. 2019*

PROFESSIONAL EXPERIENCE

ICCT, Technical University of Cologne   Cologne, Germany
Research Assistant   *Oct. 2023 - Present*
- Summer 2024 Research on 1. Multi-Modal Graph Autoencoders for Entity Linkage 2. Window Functions
- Winter 2023-24 Lecturer at University of Applied Sciences Dortmund and Art for
  Programming II Data Science with Python and R (Syllabus)

Department of Information Systems, UMBC   Baltimore, USA
Graduate Teaching Assistant   *Aug. 2022 - Present*
- Spring 2023 Undergraduate weekly lab sessions and grading for Database Application Development (IS420)
- Fall 2022 Guest lecture about Inteplato in Systems and Information Integration (IS722)
- Fall 2022 Undergraduate weekly lab sessions and grading for Database Application Development (IS420)

BWI GmbH   Bonn, Germany
Data Warehouse Application Consultant   *Mar. 2019 - Jul. 2022*
- Developing data pipelines and dashboards for materials, missions, and unit resources on BW/4HANA
- Designing role authorization concepts, testing routines, training materials, and stakeholder workshops

PROGRAMMING SKILLS

Languages: SQL, Python, R, Javascript, MATLAB, ABAP, SAP UI5 XML

DS & ML Libraries: numpy, pandas, pyplot, sns, sklearn, TensorFlow

PUBLICATIONS

Traeger, Leonard; Behrend, Andreas; Karabatis, George: "Scoping: Towards Streamlined Entity Collections for Multi-Sourced Entity Resolution with Self-Supervised Agents". In: 26th International Conference on Enterprise Information Systems (ICEIS 2024). (Accepted and to be published after April 2024) (GitHub)
Traeger, Leonard; Omar, Faraque: "Autonomous Object Detection and Landing with Parrot Rolling Spider in Matlab Simulink". In: IEEE International Conference on Embedded Systems, Cyber-physical Systems & Applications (ESCS 2023). (DOI 10.1109/CSCE60160.2023.00160) (GitHub) (YouTube)
Traeger, Leonard; Behrend, Andreas; Karabatis, George: "Inteplato: Generating Mappings of Heterogeneous Relational Schemas using Unsupervised Learning". In: IEEE International Conference on Computational Science and Computational Intelligence (CSCI 2022). (DOI:10.1109/CSCI58124.2022.00083) (GitHub)

AWARDS AND SERVICES

VLDB Summer School (2023) Best Poster Presentation at Cluj, Romania

DOAG (2022) Conference Speaker "Machine Learning and Data Integration" at Düsseldorf, Germany

Fulbright Germany Graduate Scholarship (2021) at UMBC

M.Sc. Digital Sciences audit committee member (2019 - 2022) for reaccreditation and examination at TUC