

Matthias Bachfischer

CURRICULUM VITAE
Munich, Germany

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Work Experience

IBM

Munich, Germany

SENIOR DATA SCIENTIST

Sep. 2022 - current

- Designed and implemented highly-scalable machine learning services for various organizations in the public sector, primarily in the computer vision and natural language processing domain (Python, PyTorch)

BCG Platinion

Munich, Germany

SENIOR IT ARCHITECT

Feb. 2022 - Aug. 2022

- Designed and led the development of a cloud data platform to host machine learning services for energy grid data (Azure, Python)
- Conducted a vendor due diligence assessment of the IT architecture and data platform of a leading payments company

BCG Platinion

Munich, Germany

IT ARCHITECT

Jul. 2018 - Mar. 2020

- Designed and led the implementation of a real-time data analytics platform to process streaming data from connected cars (AWS, Python)
- Implemented a highly-scalable DevOps pipeline based on Kubernetes (AWS, Python)
- Developed a target IT architecture to facilitate the implementation of manufacturing analytics use cases for a large automotive supplier

King Abdullah University of Science and Technology (KAUST)

Thuwal, Saudi-Arabia

VISITING STUDENT

Apr. 2018 - Jul. 2018

- Performed research on applying machine learning techniques to classify toxic comments in online social networks (Python, Tensorflow)

KRONES

Neutraubling, Germany

INTEGRATED DEGREE PROGRAM - INFORMATION SYSTEMS

Jul. 2013 - Feb. 2018

- Led a company-wide initiative to leverage sensor data from machinery for predictive maintenance (Azure, Apache Hadoop, Python)

Education

The University of Melbourne

Melbourne, Australia

M.Sc. IN DATA SCIENCE - GPA: 3.9/4.0

Mar. 2020 - Dec. 2021

- Developed a Pacman agent based on deep reinforcement learning (top 5% rank in university-wide competition) (Python, Tensorflow)
- Title of final thesis: Adversarial Workload Matters - Executing a Large-Scale Poisoning Attack against Learned Index Structures (C++)

Universidad de Buenos Aires

Buenos Aires, Argentina

LICENCIATURA EN ANÁLISIS DE SISTEMAS - OVERALL GRADE: 10/10

Mar. 2016 - Jul. 2016

- Completed a semester abroad as an exchange student in the Faculty of Engineering (Facultad de Ingeniería)

Ostbayerische Technische Hochschule Regensburg

Regensburg, Germany

B.Sc. IN BUSINESS INFORMATION TECHNOLOGY - GPA: 4.0/4.0

Oct. 2014 - Feb. 2018

- Evaluated the feasibility of using machine learning to perform intrusion detection in in-vehicle networks (Python)
- Title of final thesis: Success Factors in Business-Managed IT

Publications

Success Factors in Business-Managed IT

Berlin, Germany

SKILL - STUDIERENDENKONFERENZ INFORMATIK

Sept. 2018

- Presented a research paper from a case study analysis of critical success factors in Business-Managed IT / Shadow-IT

Offensive Comment Classification on German Language Microposts

Vienna, Austria

GERMEVAL 2018 - SHARED TASK ON THE IDENTIFICATION OF OFFENSIVE LANGUAGE

Sept. 2018

- Presented the participation of the KAUST MINE Lab for machine intelligence at the GermEval 2018 shared task

Honors & Awards

2016 **Scholarship**, German Academic Scholarship Foundation (1% acceptance rate)

Bonn, Germany

2020 **Study Abroad Scholarship**, German Academic Exchange Service

Bonn, Germany