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 (& VISITING ASSOCIATE) *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*