

Matthias Bachfischer

CURRICULUM VITAE ·

Munich, Germany

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Summary

About to finish my studies in Data Science (M.Sc.) at The University of Melbourne. Prior to my studies, I worked as an IT Architect at BCG Platinion. I have a strong technical background in statistics & machine learning and deep business expertise in digital transformation topics.

Skills

Programming Languages Proficient in Python, Java and R, Familiar with Go, JavaScript and C / C++
IT Certifications Certified SCRUM Master (PSM I), Certified Product Owner (PSPO I)
Software Frameworks Various ML frameworks (PyTorch, Tensorflow), Apache Hadoop

Education

The University of Melbourne

Melbourne, Australia

M.Sc. IN DATA SCIENCE

Mar. 2020 - Mar. 2022

- Learned about advanced concepts in statistics, probability theory and data science
- Experimented with various frameworks and techniques for machine learning & deep learning
- Title of final thesis: An Investigation Into the Effectiveness of Learned Indexes under Adversarial Settings

Ostbayerische Technische Hochschule Regensburg

Regensburg, Germany

B.Sc. IN BUSINESS INFORMATION TECHNOLOGY

Oct. 2014 - Feb. 2018

- Learned various programming languages (Java, Javascript etc.), databases, computer networks and operating systems
- Evaluated the feasibility of applying machine learning in intrusion detection systems
- Title of final thesis: Success Factors in Business-Managed IT

Universidad de Buenos Aires

Buenos Aires, Argentina

LICENCIATURA EN ANÁLISIS DE SISTEMAS

Mar. 2016 - Jul. 2016

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

Industrie- und Handelskammer Regensburg

Regensburg, Germany

IT SPECIALIST (SYSTEM INTEGRATION)

Jul. 2013 - Jan. 2017

- Received professional training as part of the integrated degree program at KRONES AG

Work Experience

BCG Platinion GmbH

Munich, Germany

IT ARCHITECT & VISITING ASSOCIATE

Jul. 2018 - Mar. 2020

- Advised various companies from Industrial Goods & Automotive sector on digital transformation & IT strategy
- Led cross-functional teams to build digital platforms (full-stack)

King Abdullah University of Science and Technology

Thuwal, Saudi-Arabia

VISITING STUDENT

Apr. 2018 - Jul. 2018

- Published a paper on using Machine Learning & Deep Learning techniques to classify toxic comments in online social networks
- Developed a large-scale dataset-driven search engine for scientific publications

KRONES AG

Neutraubling, Germany

INTEGRATED DEGREE PROGRAM - INFORMATION SYSTEMS

Jul. 2013 - Feb. 2018

- Implemented various IoT use cases on a Apache Hadoop Big Data Platform
- Restructured the software- and requirements engineering processes at KRONES

KRONES do Brasil

São Paulo, Brazil

INTERNSHIP

Aug. 2015 - Sept. 2015

- Performed the migration of a stand-alone e-mail system to centrally hosted system based on MS Exchange
- Collaborated with the local IT staff to to set-up IT support procedures for Brazilian users

Projects

Implementation of a real-time data analytics platform for connected cars

- Designed and led the implementation of a cloud-based real-time data analytics platform for a leading German automotive OEM to process and analyze streaming data from connected cars

Development of an IT architecture to enable analytics use cases in manufacturing

- Developed a target IT architecture to enable implementation of manufacturing analytics use cases for a large automotive supplier as part of their Industry 4.0 initiative

Honors & Awards

2016 **Scholarship**, German Academic Scholarship Foundation

Bonn, Germany

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

Bonn, Germany

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 (i.e. Shadow-IT systems that are operated overtly and with support of the IT organization)

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 Laboratory for Machine Intelligence and kNowledge Engineering (MINE) at the GermEval 2018 shared task (research paper + poster)

Academic Experience

Java Programming Lecture - Ostbayerische Technische Hochschule Regensburg

Regensburg, Germany

TEACHING ASSISTANT

Oct. 2017 - Feb. 2018

- Teaching assistant for Java Programming lecture ("Programming 2")
- Responsible for weekly programming exercises with first-year students

Languages

German, maternal language

native speaker

English, excellent command

Level C2 (CEFR)

Spanish, very good command

Level C1 (CEFR)

Portuguese, good command

Level B2 (CEFR)

Arabic, working knowledge

Level B1 (CEFR)

Chinese, basic knowledge

Level A1 (CEFR)

Extracurricular Activity

International Negotiating Skills

Regensburg, Germany

ADDITIONAL TRAINING

Oct. 2015 - Jul. 2017

- Studied theoretical frameworks for cross-cultural studies and received advice on how to act in an international environment

Campus Asyl - Association to support refugees in Germany

Regensburg, Germany

MENTOR

Mar. 2017 - Aug. 2017

- Mentored and provided assistance to refugees studying for a university degree at OTH Regensburg