Matthias **Bachfischer**

CURRICULUM VITAE ·

Munich, Germany

✉ bachfischer.matthias@gmail.com | ⬛ Bachfischer | in Bachfischer

Summary

Currently studying Data Science at The University of Melbourne - worked as an IT Architect at BCG Platinion prior to that. Strong technical background in Machine & Deep Learning as well as deep business expertise in digital transformation topics. Interested in working on challenging problems with real-world impact.

Skills

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

Education

The University of Melbourne
Melbourne, Australia

M.Sc. IN DATA SCIENCE — *Mar. 2020 - Mar. 2022*

- Undertook lectures on advanced concepts in Statistics and Computer Science
- Conducted research on frameworks and techniques for Machine Learning & Deep Learning

Ostbayerische Technische Hochschule Regensburg
Regensburg, Germany

B.Sc. IN BUSINESS INFORMATION TECHNOLOGY — *Oct. 2014 - Feb. 2018*

- Undertook lectures on various programming languages (Java, Javascript etc.), databases, computer networks and operating systems
- Conducted research on applications for Machine Learning in Intrusion Detection Systems
- Title of bachelor thesis: Success Factors in Business-Managed IT

Universidad de Buenos Aires
Buenos Aires, Argentina

LICENCIATURA EN ANÁLISIS DE SISTEMAS — *Mar. 2016 - Jul. 2016*

- 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*

- 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
- Designed, built, and implemented digital platforms and IT architectures using Information technology

King Abdullah University of Science and Technology
Thuwal, Saudi-Arabia

VISITING STUDENT — *Apr. 2018 - Jul. 2018*

- Conducted research on Machine Learning & Deep Learning techniques to classify toxic comments in online social networks
- Implemented a dataset-driven search engine for scientific publications

KRONES AG
Neutraubling, Germany

INTEGRATED DEGREE PROGRAM - INFORMATION SYSTEMS — *Jul. 2013 - Feb. 2018*

- Implemented a Big Data platform based on Apache Hadoop
- Supported various business departments at KRONES with their Software - and Requirements Engineering activities

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
- Trained the local IT staff to carry out IT support activities related to email and mobile device management

Honors & Awards

| 2016 | **Scholarship**, German Academic Scholarship Foundation | *Bonn, Germany* |
| 2020 | **Study Abroad Scholarship**, German Academic Exchange Service | *Bonn, Germany* |

Projects

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

- Design and 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 in real-time (AWS)

Design of a target IT architecture to enable analytics use cases in Manufacturing

- Design of a target IT architecture to enable implementation of Manufacturing analytics use cases for a large automotive supplier

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*

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

Campus Asyl - Association to support refugees in Germany *Regensburg, Germany*

MENTOR *Mar. 2017 - Aug. 2017*

- Mentoring and assistance for refugees studying for a university degree at OTH Regensburg