Matthias Bachfischer

Curriculum Vitae ·

Munich, Germany

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

Summary

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

Education

The University of Melbourne
Melbourne, Australia

M.Sc. in Data Science
Mar. 2020 - Nov. 2021

- 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

Visiting Associate & IT Architect
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