

Resume

Dr. Andreas Thomas Bachmeier, MBA



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December 14th, 1993 in Munich



“As an engineer and scientist with an entrepreneurial mindset, I strive to improve people's lives through technological innovations.”

Website

LinkedIn

Education

05/2021 – 03/2022



Collège des Ingénieurs, Paris, Munich, Turin

Master of Business Administration (MBA)

Highly selective, fully financed and international MBA program for engineering and science graduates in collaboration with leading European corporations (e.g., BMW, MTU, Air Liquide, Siemens, VW, Infineon, Roche, Airbus, Daimler, Bosch, ...) and focus on business fundamentals, leadership skills and entrepreneurship.

10/2018 – 11/2021



Ludwig-Maximilians-Universität München | Faculty of Medicine

Dr. / Ph.D. Biomechanical Engineering

The PhD covered computational modelling, data collection and statistical analyses, morphological evaluations, system development and test bench design as well as bio-/mechanical testing and validation. The results were/ will be published in two papers (first author) as well as a dissertation and further resulted in a patent application (co-inventor). I have completed the PhD with the highest distinction (summa cum laude).

04/2016 – 09/2018



Technical University of Munich | Department of Mechanical Engineering

M. Sc. Mechanical Engineering; Final Grade: 1.4

The aim of the master's program in Mechanical Engineering is to educate students in fundamentals of engineering science and in core competencies to prepare them for challenges in their career.

07/2017 – 12/2017



Nanyang Technological University, Singapore

Visiting Student at the School of Chemical and Biomedical Engineering

NTU Singapore is regularly listed among the top 15 universities in the world. The focus was on product design and ergonomics.

10/2012 – 03/2016



Technical University of Munich | Munich School of Engineering

B. Sc. Engineering Science; Final Grade: 2.1

The intensive bachelor's program in Engineering Science conveys broad engineering knowledge as well as thorough knowledge of mathematics and the natural sciences and requires 210 ECTS.

Work Experience

06/2021 – 02/2022



MTU Aero Engines AG

Business Development | Innovation Manager

Trend & Technology Analysis | Corporate Foresight | Startup Collaboration | Project Management | Partner Acquisition | Consulting | Knowledge Management | Process Development & Implementation | Presentations up to Board Level | Ideation | IT-Tool Integration (SaaS)

08/2019 – 04/2021



Rostock University Medical Center

Biomechanics and Implant Technology Research Laboratory | Research Associate

Experimental Biomechanics | 3D-Modeling | 3D-Ultrasound Imaging | Synthetic Data | Project Management (large-scale joint research project) | Team Leadership

06/2020 – 12/2020



Hospital of the Ludwig-Maximilians-Universität Munich

Department of General, Trauma and Reconstructive Surgery | Research Associate

Patient-specific Surgical Techniques | Modeling | CAD | Testing | Validation | Additive Manufacturing | Project Management (small-scale research project)

02/2018 – 04/2021



OT Medizintechnik GmbH (MedTech-Startup)

Research & Development | Project Engineer and Master's Thesis

Funding and Partner Acquisition | Intellectual Property | Orthopedic Surgical Techniques | Construction and Design | Modeling | CAD | IT Architecture | Product Development & Management

10/2015 – 03/2016



LivaNova Germany

Field Service Support in Cardiac Rhythm Management | Intern

Business Development | Marketing | Sales | Technical Support | Customer Service

Awards

2020	Research Grant of the German Knee Society (Co-applicant)
07/2020 – 04/2021	PhD Scholarship of the FAZIT Foundation
12/2018 – 05/2019	PhD Scholarship of the German Academic Scholarship Foundation
01/2013 – 09/2018	Scholarship of the German Academic Scholarship Foundation
10/2012 – 04/2013	Deutschlandstipendium

Skills

IT	Office: MS-Office CAD: Autodesk Inventor, Catia, Netfabb etc. Design: Photoshop, Illustrator, Blender, Sculptis Other: Eagle, SPSS, Itonics, Miro, Jira etc. Programming: Java, C++, Matlab, Python, HTML, CSS	<i>Routine Application</i> <i>Routine Application</i> <i>Basic Knowledge to Routine Application</i> <i>Basic Knowledge to Routine Application</i> <i>Basic Knowledge to Routine Application</i>
Languages	English German French	<i>Business fluent – C1: TOEFL Score from 05/2018: 97%</i> <i>Native Language</i> <i>Basic Knowledge</i>
Soft Skills	Leadership, Teamwork, Communication, Problem Solving, Decision-Making, Frustration Tolerance, Critical Thinking, Quick Comprehension, Self-Motivation, Creativity	

Interests

Sports	Mountain Biking, Hiking, Skiing, Swimming, Fitness, Diving, Table Tennis
Private Training	Investing, 2D/3D Design, 3D Printing, Mechatronics, Machine Learning, Entrepreneurship, Web & App Development, Product Management

Munich, September 6th, 2022