

Johannes Michael Tauscher

Data Scientist and Technical Generalist

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PROFESSIONAL EXPERIENCE

Co-Founder & CTO

Nov 2024 – Present

Raumdeuter GbR

Leipzig, Germany

Building a modern communication and engagement platform for members and fans of clubs and associations to enable participation and engagement — a way to voice your opinion. Conceptualized and architected the product; led product ideation workshops; managed a 4-person development team and coordinated external IT partners.

- Built engagement platform from 0 → 1 in 12 months on an overall €30k budget
- Managed and led a small development team (4 people) and coordinated external IT partnerships
- Led product ideation workshops to align team vision and roadmap
- Designed architecture, (dev/prod) and patterns
- Implemented `/:` pipelines, and `,` / management and routing
- Developed prototypes, and content summarization
- Established -compliant data privacy and practices

Entrepreneur

Nov 2024 – Oct 2025

Exist

Leipzig, Germany

Responsible for developing and launching a startup idea as part of the scholarship program funded by the German Federal Ministry for Economic Affairs and Climate Action (BMWK).

- Visited selected Business Seminars on diverse Topics from Leipzig University and Leipzig Graduate School of Management ()

Technologies: Miro, Business Model Canvas, Lean Startup, Public Administration, etc

Mathematics Teacher (Substitute)

Nov 2022 – Jun 2023

Rahn Education (Private School)

Leipzig, Germany

Responsible for the supervision of a few talented pupils

- Prepared customized university level material to challenge and spark interest for Mathematics
- Taught basic principles of the mathematics behind 3D printing and coding

Technologies: Powerpoint, Algebra, gcode, STL, MS Teams

Student Assistant

May 2019 – Jan 2021

Child and Adolescent Psychiatry, Philipps University Marburg

Marburg, Germany

Responsible for the validation and reproduction of earlier results of research as well as for the implementation of algorithms in R to solve classification problems in the field of diagnosis.

- My analysis results contributed to multiple publications that are listed in the publications section.

- worked highly interdisciplinary with psychologists and medical doctors to understand the clinical background and implications of the data + explain the statistical methods to non-data-scientists

Technologies: R, Machine Learning, Statistics, Interdisciplinary Collaboration

Intern, Data Analyst

Aug 2019 – Oct 2019

Westphalia DataLab GmbH

Münster, Germany

As a Data Analyst intern at Westphalia DataLab GmbH, I worked on a medical-diagnostics project combining 3D imaging and clinical data; developed and improved an experiment-tracking R/Shiny frontend and performed clinical-data analysis with Python and R.

- Implemented and enhanced features for an experiment-tracking R/Shiny frontend to improve researcher work-flow and usability
- Analyzed 3D-image and clinical datasets with Python and R to derive actionable diagnostic insights
- Integrated and managed project data using MongoDB and PostgreSQL and maintained code/versioning with Git

Technologies: Python, R, R Shiny, MongoDB, PostgreSQL, Git

EDUCATION

M.Sc Data Science, Faculty of Mathematics and Computer Science

Apr 2021 – Oct 2024

Leipzig University

Leipzig, Germany

- Overall Score: 1.7, personal focus on advanced Statistics, Data Privacy
- Master's Thesis (1.1): with - Leveraging the for Low-Resource Language Pairs

B.Sc. Data Science, Faculty of Mathematics and Computer Science

Oct 2017 – Mar 2021

Philipps University Marburg

Marburg, Germany

- personal focus on Mathematics, Statistics, Computer Science and Programming
- Bachelor's Thesis (1.7): Multidimensional Data Exploration and Visualization of Membrane Proteins Attributes

B.A. Marketing and Technical Business Administration

Mar 2012 – Oct 2017

HAW Hamburg

Hamburg, Germany

- focus on Marketing, Engineering and Business Administration
- Bachelor's Thesis (1.7): Use of as an alternative to tree analysis - methodological evaluation and exemplary implementation using a survey on the success of movies.

PUBLICATIONS

"Phenotypic differences between female and male individuals with suspicion of"

Sanna Stroth, Johannes Tauscher, Nicole Beyer, Charlotte Küpper, Luise Poustka, Stefan Roepke, Veit Roessner, Dominik Heider, Inge Kamp-Becker

Molecular Autism, 13 (1)

2022

DOI: 10.1186/s13229-022-00491-9 • 16 citations

"Is the Combination of ADOS and ADI-R Necessary to Classify ASD? Rethinking the "Gold Standard" in Diagnosing ASD"

Sanna Stroth, Johannes Tauscher, Nicole Beyer, Charlotte Küpper, Luise Poustka, Stefan Roepke, Veit Roessner, Dominik Heider, Inge Kamp-Becker

Frontiers of Psychiatry, 12

2021

DOI: 10.3389/fpsy.2021.727308 • 45 citations

"Identification of the most indicative and discriminative features from diagnostic instruments for children with autism"

Sanna Stroth, Johannes Tauscher, Nicole Wolff, Charlotte Küpper, Luise Poustka, Stefan Roepke, Veit Roessner, Dominik Heider, Inge Kamp-Becker

JCPP Advances, Volume 1, Issue 2

2021

DOI: 10.1002/jcv.2.12023 • 9 citations

TECHNICAL SKILLS

AI & Machine Learning: LLMs, NLP/ML, Machine Learning

Backend & DevOps: Docker

Data Analysis: Statistics

Databases: SQL, noSQL

Design & Creative: Adobe Photoshop

Programming Languages: Python, JavaScript, R, Bash

Tools & Systems: Git, Linux, Excel, Powerpoint, MS Office, MS Teams, VSCode, LaTeX