



HANNES SCHROTER

Data Science & Management



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LANGUAGES

German: Native

English: Fluent

Spanish: Fluent

TECHNOLOGY

Python, Java, JavaScript, R

Machine Learning, Deep Learning

Keras, PyTorch, Tensorflow

Natural Language Processing

Explainable AI

MANAGEMENT

Strategic Organizational Design

Value Based Management

Business Development | Business Planning

Agile Software Development

Entrepreneurship | Rapid Prototyping

Analytical Problem Solving

HONORS AND AWARDS

Best Final Grade in B. Sc. Business Administration, LMU

Winner of the Ford College Community Challenge with Townbee

German National Scholarship of the Federal Ministry of Education and Research ("Deutschlandstipendium")

Best A-Level in County

Karlsruhe, Germany

PUBLICATIONS

Predictive Collision Management for Time and Risk Dependent Path Planning

10.1145/3397536.3422252

OTHERS

Project-based Business Model Development at UnternehmerTUM Munich

Hackathon App@Night – IoT Track

EDUCATION

M. Sc Computer Science at Technical University Munich

05/2021 – 07/2023

- Machine Learning | Explainable AI | Algorithms | Erasmus in Barcelona

B. Sc Computer Science Ludwig Maximilian University Munich

04/2017 – 03/2021

- Final Grade: 1.1
- Data Science | Artificial Intelligence | Machine Learning

B. Sc Business Administration Ludwig Maximilian University Munich

10/2015 – 02/2019

- Final Grade: 1.1 | Best Grade
- Strategic Organization Design | Value Based Management | HRM

A-Levels Käthe-Kollwitz-Schule, Bruchsal

01/2013 – 06/2015

- Final Grade: 1.0 | Best Grade
- Specialization: Psychology | Exchange Year in Costa Rica

EXPERIENCE

Founder of SKIO (skio.ai)

09/2019 – 09/2022

- Founder at SKIO: HR Tech
- NLP based Solution to create Knowledge Profiles and connect Experts in Organizations

Internship IDP at Chair of HRM at LMU

10/2021 – 01/2022

- NLP-Based Web-Application to create Knowledge Landscapes for Researchers

Data Science Internship Credit Suisse, Zurich

04/2020 – 07/2020

- OCR Solution to automate paper-based form processing
- MVP Development and Rapid Prototyping

Founder Social Project Townbee at Enactus e.V. Munich

04/2016 – 05/2019

- Social Entrepreneurship | Project Development | Project Management
- Townbee.de

Data Analytics Internship SAP SE, Walldorf

09/2016 – 10/2016

- Management Consulting | Productivity Consulting Group
- Productivity Analytics

Side Job: Skipper at Sailwithus

2021 – Today

- Responsible for Crews at Sea
- Team Building | Teamwork | Conflict Solving

PROJECTS

Explainability for Siamese Neural Networks: First Research showing the model agnostic Explainability of SNNs

Computer Aided Diagnosis: Automatic Detection of Pneumonia in X-Ray Scans

PCMP: Proposition of a new Algorithm to allow the Management of Collisions in autonomous Robots

Semantic Textual Similarity: Neural networks for summarizing arguments in online debates