



Data Scientist

**NICOLAS
SCHNEIDER**

PROFILE

As a Data Scientist, I am passionate about solving real-world complex problems through innovative technical solutions in the fields of Machine Learning and Data Science. In addition to my academic projects during my studies, I continuously advance my development through independent projects that excite me beyond my professional work. I am deeply motivated by generating data-driven insights that create measurable value for companies and actively contributing to their digital transformation.

CONTACT

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Github: <https://github.com/Nicolas2912>

SKILLS

- Python, Javascript, C#, Matlab
- Git
- SQL, NoSQL, MongoDB, Elasticsearch
- MLFlow, Microsoft Azure
- Microsoft Office, Salesforce
- Analytical Thinking
- Communication
- Curiosity

LANGUAGES

German: Native language

Englisch: Business Fluent

PROFESSIONAL CAREER

- 15.11.2024 - 15.05.2025
Fraunhofer Institute for Production Technology IPT
Master's thesis student
- 15.10.2024 - 30.06.2025
4brands Reply
Working Student/Data Analyst
- 01.02.2023 bis 31.08.2024
Diamant Software
Werkstudent/Data Scientist
- 01.12.2022 - 31.01.2023
Diamant Software
Bachelor's thesis student
- 08.2020 - 05.2021
SOKO Institut
Interviewer

EDUCATION

- 03.2023 till now
HSBI Bielefeld - University of Applied Sciences & Arts
Master Optimization and Simulation
- 09.2019 - 02.2023
FH Bielefeld - University of Applied Sciences
Bachelor Applied Mathematics

PROFESSIONAL CAREER

WORKING EXPERIENCE

15.11.2024 - 15.05.2025

Masterand at Institute for Production Technology IPT

Development of a Decision Framework for Selecting Optimal Multimodal Data Integration Approaches Based on Technical Documentation for LLM-Driven Maintenance Support.

15.10.2024 - 30.06.2025

Working Student/Data Analyst at 4brands Reply

Responsible for the efficient processing and analysis of large datasets using Salesforce and Microsoft Azure. Development and optimization of workflows for data preparation to gain valuable insights and improve processes. Building comprehensive expertise in SQL and the efficient use of modern cloud technologies to support data-driven decision-making.

01.02.2023 - 31.08.2024

Working Student/Data Scientist at Diamant Software

Responsible for preparing and expanding a dataset for training a Large Language Model (LLM). Development of the training and evaluation process for an LLM model to predict invoice approvers. Training and evaluation of adapters on a multitask model.

01.12.2022 - 31.01.2023

Bachelorand at Diamant Software

Performance comparison between searching and inserting log files into a relational database and Elasticsearch.

08.2020 - 05.2021

Interviewer at Soko Institut

Conducting professional interviews on behalf of the Federal Employment Agency to analyze the effectiveness of various measures.

08.2020 - 12.2022

Tutoring teacher at the Studentenring Bielefeld.

Providing support to students of various ages in the subject of mathematics.

EDUCATION

UNIVERSITY EDUCATION

03.2023 - till now

Master Optimization and Simulation at HSBI Bielefeld

The program focuses on the simulation of technical processes and provides in-depth knowledge in the fields of optimization, particularly discrete optimization and bionic optimization methods. By selecting additional modules, I have concentrated on the area of Data Science.

09.2019 - 02.2023

Bachelor Applied Mathematics at HSBI Bielefeld

The program imparts advanced knowledge in various fields of mathematics, with a strong emphasis on the application of mathematical concepts. This focus is particularly evident in modules such as Operations Research and Logistics. Significant importance is also placed on the practical implementation of various mathematical algorithms, such as the Traveling Salesman Problem (TSP).

INTERSHIPS

01.09.2022 - 30.11.2022

Internship at Diamant Software

Development of an efficient processing tool for log files and graphical visualization using Kibana. The switch to Elasticsearch and Kibana optimized technical support operations, enabling faster resolution of customer support requests.

04.2017

Internship at Dorbath Surveying Office

Comprehensive introduction to the diverse activities of a licensed surveyor, both in the office and in the field. Gained in-depth experience in the use of various technical measuring instruments for the precise surveying of different facilities.