Wolfgang Spindeler, PhD

Experienced Data Scientist and Analyst with focus on Experimentation and Product Analytics

Roßstraße 78,
40476 Düsseldorf, Germany
+49 176 47300405

wolfgang.spindeler@gmail.com
www.linkedin.com/in/wolfgang-spindeler
https://github.com/wol-e

Professional Experience

DeepL (Germany, Remote Position)
deepl.com is a freemium machine translation service with millions of daily users

05/2023 - now   **Principal Data Scientist - Experimentation**
- Developing DeepL's inhouse experimentation platform for automated analysis of hundreds of concurrent AB tests
- Research and implementation of advanced statistical methods for AB testing (e.g. methods for variance reduction and sequential testing)
- Developing data aggregation pipelines processing multiple million user records per day
- Consulting teams in product and engineering with best practices in experimentation and AB testing

04/2021 – 04/2023   **Data Science Lead - Data Analytics Platform**
- Scaling the Product Data Science Team from 3 to 10 people and leading 5 Data Scientists across two teams
- Leading the development of our Experimentation Platform
- Machine learning projects for churn and subscription prediction

10/2020 - 03/2021   **Senior Data Scientist - Data Analytics Platform**
- Designing and implementing data pipelines and statistical models for our Experimentation platform (Python, SQL)
- Definition and implementation of business- and product-metrics (e.g. revenue, traffic growth, retention, user interaction metrics)

trivago (Düsseldorf, Germany)
trivago.com is a global hotel search platform. My different roles focused on AB testing, anomaly detection, reporting metrics, data infrastructure and being a team lead.

02/2020 - 09/2020   **Data Science Team Lead – Marketplace**
- Leading a team with leadership of a data scientist and a data engineer
- Development of anomaly detection algorithms based on time-series forecasting (PySpark, Pandas, Tensorflow, fbprophet, MLFlow)
- Leading development of automated cleaning and processing of external data sources

01/2017 - 01/2020   **Data Scientist - Marketplace**
- Development of a Bayesian statistics library for AB testing in Python
- Main data expert for the customer facing tool `trivago Intelligence` leading design and aggregation of reporting and metrics

08/2016 - 12/2016   **Junior Data Analyst - Sales**
- Automated reporting and data exports (Hive, R Shiny)
- Ad Hoc and in-depth analyses around the sales domain

Intense AG (Cologne, Germany)

02/2016 - **07/2016**	**Junior Technical Consultant** • Technical consulting and project management

University of Münster, Mathematical Institute (Münster, Germany)

08/2010 - **06/2015**	**Research Assistant / Postdoctoral Researcher** • Research in pure mathematics with focus on Differential Geometry • Tutorial classes and supporting students on their thesis papers • Talks at mathematics conferences and workshops

Education

07/2014	**PhD in Mathematics at University of Münster** Research in Differential Geometry
07/2010	**Diploma in Mathematics at University of Münster**

Data Science and Analytics Skills

- Data exploration and data analysis (expert)
- Statistical modeling (expert)
- SQL (expert)
- Python (expert)
- Classical Machine Learning like linear or logistic regression and tree-based methods (expert)
- Design and development of ETL Jobs (expert)
- Deep Learning (basics)
- Software Engineering (basics)

Others

Languages:	German (native), English (fluent)
Hobbies:	Chess, Piano, Running, kaggle