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| **Wolfgang Spindeler, PhD**  Experienced Data Scientist with focus on Experimentation and Product | | |
| Roßstraße 78,  40476 Düsseldorf, Germany  +49 176 47300405 | | [wolfgang.spindeler@gmail.com](mailto:wolfgang.spindeler@gmail.com)  [www.linkedin.com/in/wolfgang-spindeler](http://www.linkedin.com/in/wolfgang-spindeler)  <https://github.com/wol-e> |
| **Professional Experience** | | |
| **DeepL (Germany, Remote Position)**  [deepl.](https://deepl.com/)[com](https://deepl.com/) is a freemium machine translation service with millions of unique daily users | | |
| **05/2023 - now** | **Principal Data Scientist - Experimentation**  Maintaining and developing our inhouse Experimentation Platform for running UX and technical experiments (mainly AB tests) on our users   * Research and implementation of advanced statistical methods for AB testing (e.g. variance reduction and sequential testing methods) * Data aggregation pipelines processing multiple million user records per day (python, SQL) * Supporting teams (mainly 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 - Focus on code scalability (python, SQL) and validity of statistical models and metrics * Machine learning projects for churn and subscription prediction (python, XGBoost) | |
| **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)**  [triva](https://trivago.com/)[go.](https://trivago.com/)[com](https://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**   * Team lead of a small team leading a data scientist and a data engineer * Development of anomaly detection algorithms based on time-series forecasting (PySpark, Pandas, Tensorflow, fbprophet, , MLFlow) * Processing and cleaning external booking data | |
| **01/2017 - 01/2020** | **Data Scientist - Marketplace**   * Development of a Bayesian statistics library for AB testing in Python * Data Science expert for the customer facing tool `trivago Intelligence`: design and aggregation of reporting metrics (Hive, PySpark) | |
| **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 around SAP | |
| **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 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 | |