

Florian Wilhelm

Head of Data Science

Cologne, Germany

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Personal Information

Date of Birth 23/11/1981
Place of Birth Neustadt an der Weinstraße, Germany
Marital status single
Nationality german

Work Experience

- 02/2020 – today **Head of Data Science**, *inovex GmbH*, Cologne, Germany.
Team lead and driver of the field of Data Science within inovex. Tasks:
- managing a heterogeneous team of data/ML engineers and data scientists,
 - sparring partner and consultant in data science projects,
 - technical account manager and presales,
 - strategic expansion and further development of our data science business.
- 04/2016 – 01/2020 **Principal Data Scientist**, *inovex GmbH*, Cologne, Germany.
Consultant for Data Science, mathematical modelling and Big Data maximizing the benefits of the digital transformation for our customers. Tasks:
- recommendation engine and user preference service for the e-commerce company mobile.de,
 - fraud and account takeover detection for a large e-commerce company,
 - learning to rank to improve search results of customers for a large e-commerce company,
 - research projects in OCR with deep learning, NLP interface for SQL, reinforcement learning and uncertainty quantification,
 - project lead, support of presales activities and supervisor for bachelor and master students.
- 11/2015 – 03/2016 **Senior Professional: Data Scientist**, *CSC Consulting GmbH*, Cologne, Germany.
Consultant for advanced Data Science, Big Data and Analytics solutions:
- predictive maintenance for a component manufacturer of commercial vehicles,
 - training and coaching of new employees in the field of Data Science,
 - support of PreSales activities, i.e. presentations, customer events, preparation of offers and cost estimation.

- 12/2012 – 09/2015 **Senior Data Scientist**, *Blue Yonder*, Karlsruhe, Germany.
 Predictive analytics and statistical modelling in Big Data projects:
- demand forecasts & replenishment for a consumer packaged goods company as project leader,
 - forecasts of the production costs for a large manufacturing company as project leader,
 - algorithms for trade promotion management for the consumer goods industry,
 - price & trend forecasts of raw materials for a large chemical producer,
 - demand forecasts for a global discount supermarket chain,
 - participation in the development of the Blue Yonder Forward Demand product,
 - tutor in the Data Science Academy,
 - contributions to open-source projects like Scikit-Learn, SciPy, PyScaffold and PyDSE.
- 03/2009 – 11/2012 **Research Assistant & Postdoc**, *Karlsruhe Institute of Technology (KIT)*.
 Work on a BMBF-funded project during PhD and Head of the Research Lab for Application and Innovation at the Institute of Applied and Numerical Mathematics at KIT as Postdoc since 02/2012.

Education

- 03/2009 – 01/2012 **Graduation**, *KIT*, Karlsruhe, Germany, *Grade: 1.0 "magna cum laude"*.
 Graduation at the Karlsruhe Institute of Technology (KIT) in the field of numerical simulation and optimization of climate models on high-performance computer clusters.
- 10/2002 – 12/2008 **Dipl. Mathematics**, *University of Karlsruhe*, Germany, *Grade: 1.3*.
 Studies with emphasis on numerical mathematics and computer science as subsidiary subject.
- 08/2006 – 07/2007 **Year abroad**, *University of Linköping*, Sweden.
 One year abroad in Sweden with the Erasmus program.
- 09/2001 – 05/2002 **Basic Military Service**, *1. PzArtLBtl 345*, Kusel, Germany.
- 08/1992 – 06/2001 **Abitur**, *Leibniz Gymnasium*, Neustadt an der Weinstraße, Germany, *Grade 1.8*.

Language Skills

Germany	mother tongue
English	business fluent

IT Skills

Programming	SQL ●●●●● Python ●●●●● NumPy/SciPy ●●●●● Pandas ●●●●● Scikit-learn ●●●●● Matplotlib/Seaborn ●●●●● PyTorch ●●●●● (Num)Pyro ●●●●● Cython ●●●●● Parallel Programming ●●●●● Databricks Spark ●●●●●
Operating Systems	Linux (LPI Level 1 & NCLA certified) ●●●●● MacOS ●●●●● Windows ●●●●●
Office Software	Word ●●●●● Excel ●●●●● Powerpoint ●●●●●
Miscellaneous	Git ●●●●● Agile Software Development ●●●●● L ^A T _E X ●●●●●

Köln, 2021/10/24