Florian Wilhelm

Data Scientist & Analyst

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	Germany

Work Experience

04/2016 – today   **Senior 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:
- Implementation of a recommendation engine for a large e-commerce company.
- Project lead and supervision of bachelor/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 and replenishment for a consumer packaged goods company as project leader. Development of new methods to handle out-of-stock situations.
- Forecasts of the production costs with respect to the commodity market for a large manufacturing company as project leader.
- Optimizations of the algorithms for trade promotion management in an integrated platform for the consumer goods industry.
- Forecasts of price developments and market trends 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)*.

- Head of the Research Lab for Application and Innovation at the Institute of Applied and Numerical Mathematics at KIT as Postdoc since 02/2012.
- Work on the BMBF-funded *Scalable Earth-System-Models for High Productivity Climate Simulations* (ScalES) project und supervision of the KIT student team for the *Student Cluster Challenge 2012* on the *International Supercomputing Conference* in Hamburg as research assistant.
- Project management and supervision of students.

08/2005 – 09/2008	**Temporary Worker**, *Siemens AG*, Karlsruhe, Germany.

Several positions during my studies:
- Planning and execution of the migration of the integration department to VMware LabManager for 4 months.
- Modelling of work processes with event-driven process chains for 4 weeks.

06/2000 – 08/2004	**Temporary Worker**, *SAP AG*, Walldorf, Germany.

Several positions during my studies:
- Management of a build&distribution system of software milestones for 4 weeks.
- Programming scripts to support the build&integration team for 8 weeks.
- Programming of an unattended installation tool to set up new developer PCs for 6 weeks.
- Support of the beta testing team for 2 weeks.

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**
French	**basic knowledge**
Swedish	**basic knowledge**

IT Skills

Programming	Python, R, SQL, Java, C, C++, C#
Operating Systems	Linux (LPI Level 1 & NCLA certified), Unix, Mac OS, Windows
Scientific Software	LaTeX, NumPy, SciPy, Pandas, Scikit-learn, Matplotlib, Matlab, MPI, OpenMP
Office Software	Word, Excel, Powerpoint, Visio, OpenOffice
Miscellaneous	Git, Agile Software Development

Köln, 2016/12/19