

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

- 11/2015 – today **Senior Professional: Data Scientist**, *CSC Consulting GmbH*, Cologne, Germany.
Consultant for advanced Data Science, Big Data and Analytics solutions, including Big Data Platform as a Service, to rapidly provide insights on operations, customers and products.
- 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 sales 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 Institute of Applied and Numerical Mathematics 4 (IANM4) 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.

08/1992 – 06/2001 **Abitur**, Leibniz Gymnasium, Neustadt an der Weinstraße, Germany, *Grade 1.8*.

Basic Military Service

09/2001 – 05/2002 **Obergefreiter**, 1. PzArtLBtl 345, Kusel, Germany.

Transportation of ammunition.

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

Cologne, 2015/12/29