

# 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

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## Work Experience

- 04/2016 – today **Senior Big 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.
- 11/2015 – 03/2016 **Senior Professional: Data Scientist**, *CSC Consulting GmbH*, Cologne, Germany.  
Consultant for advanced Data Science, Big Data and Analytics solutions:
- Data Scientist in an industrial Predictive Maintenance project,
  - Trainer of Junior colleagues in Data Science.
- 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	<b>mother tongue</b>
English	<b>business fluent</b>
French	<b>basic knowledge</b>
Swedish	<b>basic knowledge</b>

## IT Skills

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