

# Curriculum Vitae

Dr. Thorben Jensen

[www.thorbenjensen.de](http://www.thorbenjensen.de)

## Professional Career

- Since 01/2018 **Senior Data Scientist**, Informationsfabrik GmbH  
*Applying machine learning to IoT and demand forecasting;  
Developing full-stack data products from start to production;  
Training practitioners and managers to use machine learning.*
- 10/2016 - 12/2017 **Consultant Data Science**, EY (Ernst & Young)  
*Data analytics with methods in advanced analytics;  
Automation of financial processes and decision making;  
Advisory for improvements of digital processes.*
- 10/2013 - 09/2016 **Research Fellow**, Wuppertal Institute  
*Simulation and data analysis on the diffusion of product  
innovations;  
Data and model based decision support on marketing strategies;  
Statistical analysis of simulation models and surveys.*
- 08/2015 - 10/2015 **Scholarship China**, Foundations Robert Bosch and Mercator  
*Work exchange with members and consultants of China's central  
government on the use of simulation at planning in the energy  
sector.*
- 02/2014 **Guest lecturer**, University of Angers, France  
*Modeling and data analysis*
- 09/2013 **Practice instructor**, University of Osnabrück  
*Modeling for ecological risk analysis*
- 08/2012 - 09/2013 **Research Assistant**, Helmholtz Association  
*Developing a computer simulation on oceanic CO<sub>2</sub>-storage;  
Model specification based on expert interviews.*
- 04/2012 - 07/2012 **Research Assistant**, University of Osnabrück  
*Calibration and processing of data from the EnMAP satellite prior  
to its launch into earth orbit.*
- 04/2011 - 07/2012 **Tutor**, Universität Osnabrück  
*Topics: statistics, social network analysis, stakeholder-oriented  
modeling, sustainability*
- 11/2010 - 3/2011 **Research Assistant**, University of Osnabrück  
*Integrating unstructured geodata into a simulation model;  
Model-based assessment for Bavarian State Ministry of the  
Environment*

## Education

- 10/2013 - 03/2016 **PhD Candidate**, Technical University Delft,  
Faculty „Technology, Policy and Management“  
*Development of simulation models on innovation diffusion;  
Automation of simulation and machine learning procedures;  
Simulation and data analysis on cluster computing infrastructure.*

04/2011 - 09/2013	<b>Master of Science</b> , „Environmental systems and resource management”, Faculty Math/Computer Science, University of Osnabrück, Degree: 1,3, Minor subjects: Computer Science, Geomatics
03/2013 - 04/2013	<b>Intensive course</b> „Arctic Ecotoxicology”, University Centre on Svalbard, Spitsbergen Working topic: <i>Potential of Computer Simulations in Risk Management</i>
10/2007 - 03/2011	<b>Bachelor of Science</b> , „Applied Systems Science”, Faculty Math/Computer Science, University of Osnabrück, Degree: 1,8, Minor subjects: Computer Science, Mathematics, Geomatics, Geography
09/2009 - 03/2010	<b>Exchange Semester Mathematics</b> , University of Granada, Spanien
2007	<b>High school graduation</b> , Gymnasium Langenhagen, Note: 2,0

## Qualifications

Languages	German (first language), English (business fluent), Spanish (fluent), French (advanced), Chinese (basic knowledge)
Trainings	Graduate School TU Delft: <i>teamwork and leadership, engineering ethics, big data and high-performance computing;</i>
Presentations	Presenting at international conferences (USA, China, Europe) and workshops (e.g. Imperial College London, German Aerospace Center, German Armed Forces Staff College)
Programming languages	R, Python, SQL, Java, NetLogo, Mathematica, C, bash
Software	Data-Science Platforms (Dataiku), Software-Engineering Tools (Git, Scrum toolset), Geo-information systems (R libraries, QGIS, ArcGIS), Simulation environments (Repast Symphony, Powersim, Vensim), Server administration (cron, rsync)
Driver's license	EU class B

## Personal Interests

Outdoor activities	Hiking, cycling tours and bike repairs
Computer	Open data and open-source software (codeformuenster.org), volunteering to use data for social impact
Foreign languages	Tandem language exchange (e.g. German-Chinese)

Last updated: January 2019