

# CURRICULUM VITAE

## PERSONAL DATA

Name: Maximilian Kohl  
Date of Birth: 26.04.1988  
Birthplace: Munich



## WORK EXPERIENCE

- |                   |   |
|-------------------|---|
| 06/2016 until now | <p>With Cognizant GmbH – core activities:<br/><b>Data Science/IT consulting</b></p> <ul style="list-style-type: none"><li>• Distributed cloud computing [R Server, Microsoft Azure]</li><li>• Data visualization [d3.js]</li></ul>  |
| 01/2016 – 05/2016 | <p>Self-employed working, traveling and learning:</p> <ul style="list-style-type: none"><li>• With thinkstep AG – freelance VBA/API development for reporting</li><li>• At Udacity – course “Introduction to Machine Learning”</li><li>• At Coursera – course “Machine Learning”</li><li>• Introduction to distributed computing with Spark and Scala</li></ul>   |
| 02/2014 – 31/2015 | <p>With thinkstep AG – core activities:<br/><b>Data analysis</b></p> <ul style="list-style-type: none"><li>• Consolidation of project databases across various data sources [MS SQL Server, Python (pandas), PowerShell, PowerQuery]</li><li>• Text mining including NLP; keyword generation for projects [Python]</li><li>• Visualisation of project data on SharePoint [SP Designer, HTML]</li><li>• Creation of client reference database and integration into landscape</li><li>• Coding carbon emission tracking and auditing tool for leading global construction company [VBA, PowerPivot, OLAP]</li><li>• Analysis SharePoint user behaviour [PowerShell, Tableau]</li><li>• Emission modelling (e.g. country specific modelling of carbon emissions for vehicle fleets and traffic situations)</li></ul> <p><b>Consulting</b></p> <ul style="list-style-type: none"><li>• Management of cross-sector consulting projects on environmental performance of product portfolios: data-based identification of most impacting product groups, life-cycle stages and investments</li><li>• Bulk creation of product footprinting reports [VBA, PowerPoint]</li><li>• Guidance for external DB manager on SQL queries for analysis</li></ul> <p><b>Knowledge management</b></p> <ul style="list-style-type: none"><li>• Project manager - internal and external budget and capacities</li><li>• Creating concept, stakeholder reporting [PowerPoint, Tableau]</li></ul> |
| 02/2014 – 08/2014 | <p>Intern with thinkstep AG</p> <ul style="list-style-type: none"><li>• Database quality assurance, translations and programming [VBA]</li></ul>  |

- Life-cycle modeling and authoring of ISO compliant reports

- 10/2013 – 01/2014 Collaboration with JCM Bluenergy, Madrid, Spain
- Compilation of inventory data and hot-spot analysis for wind turbine
- 08/2012 – 07/2013 Part time internship with IMDEA Energy, Móstoles, Spain
- Flow simulations [Aspen Plus] and life cycle scenario analysis

## EDUCATION

- 10/2011 – 07/2013 Master of Science – Applied Physics (Grade: 8,3/10)\* with specialization in renewable energy  
 Masterthesis: Life cycle assessment of bioethanol production from microalgae (Grade: 9,0/10)  
 University Complutense Madrid, **Spain**
- 10/2008 – 08/2011 Bachelor of Science – **Physics** (Grade: 1,8/1)  
 Bachelorthesis: Manipulation of Spin-transportation in graphene (Grade: 1,0/1)  
 University RWTH Aachen, **Germany**
- 09/2009 – 07/2010 Studies abroad – Erasmus program  
 University UPMC Pierre et Marie Curie – Paris VI, **France**
- 2007 High School Diploma at Humboldt Gymnasium Vaterstetten, Germany (Grade: 3,0/1)

## PUBLICATIONS

- 06/2013 “Life cycle assessment of bioethanol from microalgae”, 21<sup>st</sup> *European Biomass Conference*, DOI: 10.5071/21stEUBCE2013-5DO.12.5

## EXTRACURRICULAR ACTIVITIES

- 11/2014 until now Caring for refugee children with Caritas Stuttgart
- 2012/2013 Ultimate Frisbee education for children, Madrid, Spain
- 2010/2011 Volunteer intercultural integration “Be Buddy”, Aachen, Germany
- 09/2007 – 08/2008 Community service at the boarding-school “Landschulheim Elkofen” to support children with social integration disorders
- 2007/2008 Presidency of the local youth group of a political party and secretary of its district union in Ebersberg, Germany

## SKILLS

- Storing data: PowerPivot, SQL (SSMS, SQLite, MySQL), MongoDB, AD
- Treating data: VBA, DAX, PowerQuery, SQL, Excel, Spark, R, Python, PyRoot, PowerShell, Maple, GaBi, SoFi, openLCA, SimaPro, AspenPlus
- Presenting data: Tableau, PowerPoint, Word, LaTeX, Python, Excel, HTML, SharePoint Designer, Origin, Jupyter Notebook, Javascript
- German: Mother tongue      French, Spanish: Very good knowledge
- English: Full professional proficiency      Italian: Elementary proficiency



Munich, 7<sup>th</sup> September 2016

\* (Grade/best possible grade)