

Alexander Müller

Big Data Software Engineer



about

born 10th January 1989
Gütersloh Germany

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10965 Berlin
Germany

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languages

native German
fluent English
intermediate Spanish

programming

Python 3
(Flask, Celery, Airflow)
Java, Scala
(Play Framework, Java 8)
JavaScript
(Node.js, React)
NoSQL
(Cassandra, Redis)
SQL
(Postgres, Vertica)

data analysis

Python (scipy, numpy,
sklearn, pandas,
xgboost, jupyter)
Spark
Weka
Stanford Core NLP

Education

2012 - 2015 **M.Sc. in Business Informatics** University of Mannheim, ITESM Guadalajara(Mexico)
Specialization in Data and Web science, exchange Semester in Mexico
Thesis Topic:
GPA (US) : 3.9, ECTS: A

2009 – 2012 **B.Sc Business Information Technology** DHBW Mannheim in cooperation with SAP SE
Specialization in Software Engineering
GPA (US): 3.6, ECTS: A

until 2008 **University Entrance Qualification (Abitur)** priv. Gymnasium Marienschule Lippstadt
GPA (US): 3.4

Experience

since 10 2016 **Minodes GmbH, Berlin, Germany** Lead Data Scientist
Stuff

06 2015- 09 2016 **Minodes GmbH, Berlin, Germany** Data Engineer
Data Engineer developing the Big Data Processing Pipeline enabling the WIFI-based Store Analytics, Introducing Apache Cassandra and Airflow during this time

09 - 10 2014 **Burda Bootcamp, München, Germany** Developer
Participant in a rapid prototyping lab (burdabootcamp.de)

02 - 08 2014 **SAP SE, Walldorf, Germany** Data Science Student
SAP HANA predictive maintenance development

2009 - 2012 **SAP SE, Walldorf & Darmstadt, Germany; Montreal, Canada** Junior Software Developer
Worked for different departments during the SAP Study program including SAP Research, CRM Consulting

Theses, Publications and Patents

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|------|---|------------------------|
| 2015 | Masterthesis
<i>Towards An unsupervised Ontology Matching System using Outlier Analysis</i> | University of Mannheim |
| 2013 | Publication
<i>Binnig, Carsten; Salama, Abdallah; Mueller, Alexander C.</i>
<i>XDB: a novel database architecture for data analytics as a service</i> | University of Mannheim |
| 2012 | Patent
<i>Doehring, Markus; Drittler, Bernhard; Kieselbach, Oliver; Mueller, Alexander Christian; Zimmerman, Birgit</i>
<i>US20140058789 A1: Process model generation and weak-spot analysis from plain event logs</i> | SAP SE |
| 2012 | Bachelorthesis
<i>Design & Implementation of a Process Mining Application for the Analysis of Weakspots in Business Processes based on In-Memory Database Technology</i> | DHBW Mannheim |