



verenaweber.de



+49 176 62336998



verena@verenaweber.de



Berlin



## Profile Summary:

Expertise

Strong expertise in NLP and Machine Learning as well as standard tools (Python, PyTorch)

Learn, grow and deliver

Track record of learning fast and delivering results in fast-paced environments (Deloitte, Amazon)

International

Studied and lived in China for over 2 years in total, fluent in two foreign languages



## Professional

09/2023 - today

**Generative AI consultant, self-employed, Berlin**

01/2020 - 08/2023

**Amazon Alexa AI, Berlin  
Research Scientist, NLU**

- Semi-supervised Learning
  - Purchasable item recognition
  - Model robustness and adversarial attacks
  - Distillation techniques for model stability
- [Google Scholar](#)

5/2019 - 12/2019

**mobile.de GmbH, Berlin  
Data Scientist**

- Causal effect estimation

10/2018 - 04/2019

**Oetker Digital GmbH, Berlin  
Data Scientist**

- Forecasting / Time series

01/2017 - 08/2018

**Deloitte Analytics Institute, Berlin  
Data Scientist**

- Predictive Maintenance (network error prediction)
- Text Analytics (e.g. rating default prediction using annual reports)
- Image Recognition (CNN)
- Analytics Dashboards



## Languages & Tools

English - business fluent  
Mandarin - good knowledge  
Spanish - sound knowledge  
French - basic knowledge

### Proficient:

Python (pandas, scipy, scikit learn, tsfresh, numpy, nltk, spacy etc.)  
PyTorch

### Basic Knowledge:

AWS  
Pyspark  
SQL

## Education:



09/2013 - 12/2015

**Humboldt University Berlin**  
**M.Sc. in Statistics (Grade 1.5)**

Focus:

Econometrics, Quantitative Methods of Financial Markets

Project: Churn Prediction

Master Thesis:

Estimation of the Dependence Parameter in Bivariate Archimedean Copula Models under Misspecification

09/2009 - 08/2013

**Eberhard-Karls-University Tübingen**  
**B.Sc. in International Economics and East Asian Studies (Grade 1.6)**

Focus:

Applied Economic Theory, Empirical Economics, Regional Studies China

Bachelor Thesis:

Is U.S. Real GDP Stationary? Trend Stationarity vs. Difference Stationarity

09/2004 - 06/2009

Friedrich-List-Gymnasium, Asperg  
A levels (Grade 1.1)

## Stays abroad:



09/2015 - 08/2016

Southwestern University of Finance and Economics, Chengdu, PR China

**DAAD Scholarship for the study of Asian Languages**

Mandarin, HSK6

02/2015 - 03/2015

Pushkin Institute Moscow, Russia  
Language course Russian

09/2012 - 07/2013

Peking University, Beijing, PR China  
Term Abroad, Focus Mandarin

07/2010 - 08/2010

National Chung Hsing University, Taichung, Taiwan  
Summer School, Intensive language course Mandarin