

JOEL BECK



EDUCATION

09/2023
|
09/2020

Georg – August – University Göttingen

Master of Science: Applied Statistics

- Current Average Grade: 1.0 (Top 1%)
- Focus on Machine Learning & Deep Learning
- Master's Thesis about Recommender Systems with NLP

12/2018
|
08/2018

University of Oslo

ERASMUS Study Abroad

03/2020
|
09/2016

University of Mannheim

Bachelor of Science: Business Mathematics

- Overall Grade: 1.2 (Top 10%)
- Focus on Stochastics und Optimization



WORK EXPERIENCE

01/2023
|
11/2022

Internship: Data Scientist

eoda GmbH Kassel

- Data Preprocessing, Feature Engineering, Modeling & Design/Infrastructure of Projects
- Publication of Blog Posts about the [Tidyverse](#) & Pandas

09/2022
|
10/2021

Teaching Assistant Göttingen

Master's course Econometrics I

04/2022
|
04/2021

Research Assistant Göttingen

Chair for Statistics

- Development and Documentation of [Liesel](#), an R & Python Framework for Bayesian Regression Models

06/2020
|
03/2020

Internship: Content Creator

Studybees GmbH Mannheim

- Development and Teaching of Online Courses about Statistics & Econometrics

2020
|
2018

Teaching Assistant Mannheim

Bachelor's course Probability Theory



SCHOLARSHIP

2023
|
2016

Stiftung der deutschen Wirtschaft

- Awarded for academic achievements and social engagement

CONTACT

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🐙 [joel-beck](https://github.com/joel-beck)

🌐 <https://www.linkedin.com/in/joelbeck07>

PROJECTS

Python

[readnext](#): Hybrid Recommender System for Computer Science Papers

NLP with [SpaCy](#), [Gensim](#) & [Transformers](#)

Data Transformation with [Polars](#)

Clean code, unit testing with [pytest](#) & [documentation](#) with [MkDocs](#)

[airbnb-oslo](#): Price Prediction Models for Airbnb Apartments in Oslo

Modeling with [Scikit-Learn](#) & [PyTorch](#)

Data Analysis with [Pandas](#)

Term Paper written in [LaTeX](#)

R

[postforecasts](#): Post-Processing Methods for Covid-19 Forecasts

Heavy use of [Tidyverse](#) packages

Term Paper written in [RMarkdown](#)

[asp21bridge](#): Bayesian MCMC Sampler with Ridge Penalty

OOP with [S3](#) classes

Unit testing with [testthat](#) & Documentation with [roxygen2](#)

SKILLS

Git, GitHub Actions / GitLab CI & Docker

Typescript & Javascript Basics

SQL Databases with [SQLite](#)

Backend Development in Python with [FastAPI](#) & [SQLModel](#)