

JOEL BECK



WORK EXPERIENCE

01/2023
|
11/2022

- **Internship: Data Scientist**
eoda GmbH Kassel
 - Contributed to MLOps Processes and introduced Unit Testing
 - Built Prediction Models with `Scikit-Learn` & `Tidymodels`
 - Published 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

03/2020
|
09/2018

- **Teaching Assistant Mannheim**
Bachelor's course Probability Theory



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



SCHOLARSHIP

2023
|
2016

- **Stiftung der deutschen Wirtschaft**
Awarded for academic achievements and social engagement

CONTACT

✉ joel.beck@stud.uni-goettingen.de

🐙 github.com/joel-beck

🌐 linkedin.com/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`

R

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

Heavy use of `Tidyverse` packages

[asp2lbridge](#): Bayesian MCMC Sampler with Ridge Penalty

OOP with S3 classes, unit testing with `testthat`

SKILLS

Python (3 years)

R (3 years)

SQL with `SQLite` (1 year)

Typescript & Javascript (6 months)

Git

CI/CD with Github Actions & Gitlab CI

Docker

Markdown, RMarkdown & Quarto

LaTeX