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

2020 — 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

⌂ joel-beck

in 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`

R

postforecasts: Post-Processing Methods for Covid-19 Forecasts

- Heavy use of `Tidyverse` packages

asp21bridge: Bayesian MCMC Sampler with Ridge Penalty

- OOP with S3 classes, unit testing with `testthat`

SKILLS

3 years of experience with Python, R & Git

3 years of experience with RMarkdown (now Quarto) & LaTeX

1 year of experience with SQL (SQLite)

6 months of experience with Typescript & Javascript

CI/CD (GitHub Actions / GitLab CI) & Docker

Backend Development in Python with `FastAPI`