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

- Developmgent 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

08/2016 — 08/2015

Voluntary Year of Social Service Saarbrücken

Assistant Sports Coach for children between 1 and 16 years

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

07/2015 — 09/2007

Ludwigsgymnasium Saarbrücken

Abitur

- Overall Grade: 1.0 (Top 1%)

CONTACT

- ✉ joel.beck@stud.uni-goettingen.de
- ⌂ github.com/joel-beck
- ▤ linkedin.com/joelbeck07

LANGUAGES

- Python (3 years)
- R (3 years)
- SQL with SQLite (1 year)
- Typescript & Javascript (6 months)

WORKFLOW

- Git, GitHub & GitLab
- CI/CD with GitHub Actions & GitLab CI
- Docker
- Jira & Confluence

WRITING

- Markdown
- RMarkdown / Quarto
- LaTeX

Made with pagedown.

Source Code: github.com/joel-beck/resume.

Last updated: 2023-10-04.

✿ SCHOLARSHIP

2023
|
2016

● **Stiftung der deutschen Wirtschaft**

Awarded for academic achievements and social engagement

</> PROJECTS

2023 ● **readnext (Python)**

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`
· Source Code: github.com/joel-beck/readnext

2022 ● **airbnb-oslo (Python)**

Price Prediction Models for Airbnb Apartments in Oslo

· Modeling with `Scikit-Learn` & `PyTorch`
· Data Analysis with `Pandas`
· Source Code: github.com/joel-beck/airbnb-oslo

2022 ● **postforecasts (R)**

Post-Processing Methods for Covid-19 Forecasts

· Heavy use of `Tidyverse` packages
· Source Code: github.com/joel-beck/post-processing-forecasts

2021 ● **asp21bridge (R)**

Bayesian MCMC Sampler with Ridge Penalty

· OOP with S3 classes, unit testing with `testthat`
· Source Code: github.com/joel-beck/asp21bridge

2022 ● **shrtcts (R)**

RStudio Shortcuts Scripts for the shrtcts R Package

· Source Code: github.com/joel-beck/shrtcts-mac

2023 ● **drafts (Typescript)**

Action Scripts for the Drafts App

· Source Code: github.com/joel-beck/drafts-scripts