

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

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](https://www.linkedin.com/joelbeck07)

LANGUAGES

Python (3 years)

R (3 years)

SQL with SQLite (1 year)

Typescript & Javascript (6 months)

WORKFLOW

Git

CI/CD with GitHub Actions & GitLab CI

Docker

WRITING

Markdown

RMarkdown / Quarto

LaTeX

Made with [pagedown](#).

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

Last updated on 2023-07-18.



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)**
Configuration Files for the [shrtcts](#) R Package
 - Source Code: github.com/joel-beck/shrtcts-mac

2023

- **drafts (Typescript)**
User Scripts for the [Drafts](#) App
 - Source Code: github.com/joel-beck/drafts-scripts