# 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

· Developgment 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

in 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 2023-07-17.*

## ⚜ 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](documentation) with `MkDocs`
- Source Code: [github.com/joel-beck/readnext](https://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](https://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](https://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](https://github.com/joel-beck/asp21bridge)

2022

● **shrtcts (R)**

Configuration Files for the [shrtcts](shrtcts) R Package

- Source Code: [github.com/joel-beck/shrtcts-mac](https://github.com/joel-beck/shrtcts-mac)

2023

● **drafts (Typescript)**

User Scripts for the [Drafts](Drafts) App

- Source Code: [github.com/joel-beck/drafts-scripts](https://github.com/joel-beck/drafts-scripts)