Pavel Zwerschke

CV

✉ pavelzw@gmail.com
 pavelzw
in Pavel Zwerschke

Personal

born	12.04.2001, Stuttgart

Education

2021-today	**Karlsruhe Institute of Technology (KIT)**, *M.Sc. Mathematics* German grade average: 1.1
2021-today	**Karlsruhe Institute of Technology (KIT)**, *M.Sc. Computer Science* German grade average: 1.1
09.2022-01.2023	**Radboud University Nijmegen**, *Exchange student Computing Science*
2018-2021	**Karlsruhe Institute of Technology (KIT)**, *B.Sc. Mathematics* German grade average: 1.0 (with distinction) Thesis: "Nonparametric Distributional Regression Models for Probabilistic Energy Forecasting" Recipient of the Faculty Award for excellent performance (best of the year)
2019-2021	**Karlsruhe Institute of Technology (KIT)**, *B.Sc. Computer Science* German grade average: 1.1 (with distinction)

Experience

04.2022-today	**QuantCo**, *Working Student* I implemented a more efficient algorithm to store sklearn models. Results in 3x disk space savings. I also contributed to mamba ↗ , a cross-platform package manager written in C++.
2021-2022	**Karlsruhe Institute of Technology (KIT)**, *Scientific Assistant* I was participating in the "S2S AI Challenge", a challenge to improve sub-seasonal to seasonal weather predictions using artificial intelligence.
2019-2022	**Karlsruhe Institute of Technology (KIT)**, *Tutor* I gave tutorials in multiple subjects such as "Basic Notions of Computer Science", "Software Engineering", "Linear Algebra" and "Introduction to Probability Theory".

Programming Skills

Languages	Python, Java, Bash, SQL, LaTeX	Technologies	Linux, NumPy, pandas, scikit-learn, PyTorch, Docker, Git

Open Source Projects

- **7circles** ↗ : An educational video created with manim about the Seven Circles Theorem. The video is available on YouTube in English ↗ and in German ↗ .
- **calibre-kindle-comics** ↗ : A calibre plugin that converts .cbz and .cbr files into a readable format for Kindle viewer.
- **Further contributions**:
  Microsoft PowerToys (Added localized number formatting support ↗)
  mamba (Added support for deinitializing micromamba, build systems ↗)

Languages

German	Native		English	Fluent
French	Advanced		Russian	Good
Dutch	Basic		Japanese	Basic

Hobbys

- Piano
- Tennis

Pavel Zwerschke
Karlsruhe, December 22, 2022