

Pavel Zwerschke

CV

Positions

2022 – present **Software Engineer, QuantCo**

- Built an ETL pipeline for data science problems using Polars and SQL
- Built a Linux cluster using Nomad and Ansible to run data science workloads inside corporate environment
- Contributed to the Conda ecosystem
- Moved the company's internal development tooling to a modern, efficient and scalable workflow, significantly improving developer productivity

2025 – present **Member, Conda Steering Council**
The Steering Council is the governing body over the entire Conda Organization . Steering Council members are the face of the organization, and are responsible for officially interfacing with external communities, organizations, non-profits, and companies.

Education

2021 – 2024 **M.Sc. Computer Science, Karlsruhe Institute of Technology, 1.1/1.0**

2021 – 2024 **M.Sc. Mathematics, Karlsruhe Institute of Technology, 1.0/1.0 (best of year)**

Winter 2022 **Exchange Student Computing Science, Radboud University Nijmegen, 9.5/10**

2018 – 2021 **B.Sc. Computer Science, Karlsruhe Institute of Technology, 1.1/1.0**

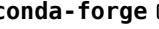
2018 – 2021 **B.Sc. Mathematics, Karlsruhe Institute of Technology, 1.0/1.0 (best of year)**

Open Source

pixi  A modern cross-platform package manager for the Conda ecosystem with a focus on simplicity, speed, and reproducibility (200+ contributions ).

rattler-  A fast, standalone Conda package builder written in Rust that creates cross-platform relocatable packages from a simple recipe format (100+ contributions ).

rattler  A collection of Rust crates to work with the Conda ecosystem. This library powers all modern Rust-based tooling in the Conda ecosystem (75+ contributions ).

conda-forge  The backbone of the Conda ecosystem. It consists of over 30,000 packages for Linux, macOS and Windows. I maintain over 200 feedstocks .

Conda tooling I built various other tools for the Conda ecosystem: setup-pixi , pixi-pack , conda-mirror , conda-deny , pixi-diff , pixi-inject , pixi-install-to-prefix , pixi-docker , pixi-diff-to-markdown , pixi-pycharm , starship (pixi support) , setup-micromamba .

7circles  An educational video created with manim  about the Seven Circles Theorem . The video is available on YouTube in English  and in German .

Further contributions slim-trees , polarify , pydantic-settings-sops , calibre-kindle-comics , moderner-cv , homebrew-core , boring-gravatars , direnv , lefthook 

Skills

Technologies Python, Rust, Bash, Linux, Docker, Typst, NumPy, Polars, SQL, scikit-learn, Git, Terraform, GitHub Actions

Languages German (native), English (fluent), French (intermediate), Russian (intermediate), Dutch (intermediate)