

Tobias Prisching, B.Sc.

2001/08/13

Contact Information

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Technologies

- macOS/UNIX & Linux
- OpenMP, MPI, OpenCL
- GitHub & CI/CD workflows
- LaTeX & Markdown
- Docker & Virtualisation
- CAS Systems
- SQL & MongoDB

Interests

- Computational Optimisation
- Parallel Architectures, Algorithms and Computing
- „Low-level“ programming (see recent projects below)
- Artificial Neural Networks and Machine Learning
- Data Analysis & Visualisation

Languages

German	■■■■■■■■■■
English	■■■■■■■■□□

Rust	■■■■■■■■□□□
Python	■■■■■■■■□□□□
C	■■■■■■■■□□□□
Java	■■■■■■■■□□□□

Hobbies

- Photography
- Computer Graphics & Visualisations
- Vintage M68k/PPC Macintosh Systems
- Personal (programming) side projects
- Cycling

Education

- **Master of Science:** since 2022
University of Vienna
Computer Science/specialisation in Data Science
- **Bachelor of Science:** 2019-2022
University of Vienna
Computer Science/specialisation in Data Science
Total average grade: 1.14 (GPA: 3.86)
Receiving a merit scholarship three years in a row
- **Academic Secondary School:** 2015-2019
BRG/BORG St. Pölten - A-Levels exams in...
... written: Mathematics, German, English, Physics
... oral: Mathematics, Physics
with an average grade of 1.0 (GPA: 4.0)

Soft Skills

- Problem Solving
- Self-Motivating
- Work Ethic / Responsibility
- Positivity

Achievements / Other

- „Best of the Best“ award for my bachelor degree
- Dr. Hans Riegel prize for „Artificial Neural Networks and their behaviour in application to the MNIST dataset“ - #1 Place in CS
- Team leader for the 2018 Solar Car Challenge (conducted by FH Upper Austria) - #1 Place
- Pangea mathematics competition, 10th grade - #1 Place nationwide

2023

2019

2018

2017

Recent Uni & Side Projects

- blackbird: A Rust reimplementation of CONCORDE's CLK heuristic for TSP problems 🔗
- simple-c-compiler: A simple compiler for a subset of the C language 🔗
- little_exif: A Rust library for reading & writing basic EXIF-data from scratch 🔗
- mandelbrot-c/-rust: A CLI tool for generating Mandelbrot images, utilising GitHub workflows 🔗
- Bachelor Thesis: „What Causes Neural Networks to Reach their Decisions? An Evaluation of Layer-wise Relevance Propagation and Integrated Gradients“