Tobias Prisching, B.Sc.

2001/08/13

Contact Information

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Sankt Pölten/Vienna, Austria
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LinkedIn/Tobias Prisching

Technologies

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

Interests

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

Languages

German ■■■■■■■■■■
English ■■■■■■■■□□

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

Hobbies

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

Soft Skills

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

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)

Achievements / Other

- „Best of the Best" award for my bachelor degree — 2023
- Dr. Hans Riegel prize for *„Artificial Neural Networks and their behaviour in application to the MNIST dataset"* — 2019
- Team leader for the 2018 Solar Car Challenge (conducted by FH Upper Austria) - #1 Place — 2018
- Pangea mathematics competition, 10th grade - #1 Place nationwide — 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"*