Jan Hartl

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GENERAL INFORMATION

Fluent languages: English, Slovene, German

Technical skills include: Adept at reading documentation and using it accordingly. Experienced with Linux (Arch) and the command line. Proficient in Python (numpy, scipy, pandas, matplotlib, scikit-learn, tensorflow) and Latex. Primarily for data analysis and scientific computing, but also machine learning. Familiar with C/C++, Bash, R, SQL, Lua, Zig and git.

Human skills include: Well spoken, communicative, social and a quick learner. Patient when faced with big challenges. A desire to work for the common good and better myself in doing so.

EDUCATION

University of Ljubljana, Faculty of Math and Physics   *Ljubljana, Slovenia*
3rd year udergraduate in Physics
  Udergraduate thesis: "Quantum encryption"
  Thesis webpage: github.com/janhartl/Seminar--QM-encryption

ŠGAMS Maribor   *Maribor, Slovenia*
General high school diploma

EMPLOYMENT

IJS - Institute Jožef Štefan   *Ljubljana, Slovenia*
Categorization and benchmarking of machine learning algorithms

The purpose of the project was to consolidate the space of ML algorithms and benchmark them on a variety of data sets. Thus getting a better understanding of suitability of algorithms for particular tasks. My work included:

- Searching for and categorizing ML algorithms and implementations,
- testing available algorithms before,
- preparing them for benchmarking.

Barista at HIKOFI   *Ljubljana, Slovenia*
Making coffee and other drinks, customer service
Although mundane work, I learned a lot about working with people and the value of consistent effort.

Internal postman   *Maribor, Slovenia*
Delivering post from Maribor to various stations in Slovenia
In my summer job I worked as an internal postman for Slovenias railway company.

Car wash attendant   *Zgornja Polskava, Slovenia*
Washing and cleaning cars, customer service
My first job was at a local gas station cleaning car windows for a small fee.

HOBBIES

Philosophy: I love reading and listening to philosophy. It gives my life a sense of purpose or at least acknowledges the lack of it.

Linux ricing: The act of customizing the performance and look of my pc is a fun and rewarding hobby. Through it i have gained a deeper understanding of how computers work as well as a much faster workflow. An example of this is my current Neovim setup for writing code.

Basketball: Perhaps my greatest love of all. I enjoy playing it, but also understanding it. This connects to my passion for statistics and data analysis via competing in fantasy leagues. Where developing a strategy based on real life data and statistics is crucial. For this purpose I have developed a predictive model for the 2025/26 NBA season in python.