Philipp
Machine Learning

mail @ domain   ❧ filyb

EXPERIENCE

Software Engineer   Jan 2024 — April 2024
Zürich, Switzerland

Conducted testes on whether or not large language models can be used for grading forest products

- Teamwork with a University on using large language models to grade forest investment projects
- Improved on knowledge of Langchain, OpenAI API, and frontend development in Flask, React and TypeScript
- Developed skills in DevOps, cloud app development in Azure, and agile work principles

AI Consultation Internship   Jun 2023 — Sep 2023
Zürich, Switzerland

Provided expertise in the field of how artificial intelligence applies to conservation and venture building.

- Worked with various start-up founders and venture builders
- Curated know-how on AI tools and algorithms
- Worked on ideation, prototyping, and testing of venture ideas

Natural Language Processing Internship   Jul 2021 — Sep 2023
Frankfurt, Germany

Applied machine learning techniques to real-world medical data.

- Workd with expert data scientists to solve complex problems
- Created a component for a machine learning ontology for clinical data
- Improved skills on Scikit-learn, Pandas, Numpy, and more

EDUCATION

MSc Signal Processing and Machine Learning, *Singapore*   2024 — Present
Grade TBD
Relevant modules include Artificial Intelligence and Data Mining, Smart Biosensors, Genetic Algorithms and Machine Learning

BSc Computer Science, *United Kingdom*   2020 — 2023
Upper second class qualification
Relevant modules include NLP, Computer Vision, Machine Learning Technologies and Computational Biology

Secondary school, *United Kingdom*   2015 — 2020
Mathematics (A*), Further Mathematics (A*), Computer Science (A*), German (A*)

PROJECTS

BSc dissertation	Python	Analysed word embedding algorithms for millions of chess games, and achieved first class grade
Language Interpreter	Haskell	An interpreter to query Turtle files in Haskell, using tokenization and lexing techniques
Scene classification	Python	Achieved accuracy of 98% on unseen dataset using state-of-the-art transfer learning
Neural network library	Python	A Neural network library written from scratch, tested on MNIST dataset
Email summariser	Python	Personal tool to summarise emails landing in inbox, using Llama 2
Evolving boids	Java	Genetic algorithm to evolve path finding for boids

SKILLS

Programming	Python, Java, C#, Haskell, JavaScript, Bash, SQL
Tools	MS Office, MS Azure, Google Workspace, Google Cloud, Slack
Other software	Git, Linux/GNU, Docker, PyTorch, TensorFlow, Scikit-Learn, OpenAI, LaTex, NixOS
Languages	English / German bilingual

HOBBIES

Open source, chess, finance, aviation and flying, climbing, philosophy, psychology