+31 6 38493722
Amsterdam, The Netherlands
maurice.frank@posteo.de

Maurice Frank

Machine learning engineer

morris-frank.dev
github.com/morris-frank
linkedin.com/in/morris-frank

Skills

ML eng w/ Python	PyTorch, TensorFlow, scikit-learn, Pandas, SciPy, OpenCV
Data visualization	pyplot, Dash (plotly), webdesign
DevOps engineering	skorch, ray, wandb, PyTorch Lightning, DASK, Hydra
GNU/Linux systems	System administration, BASH, Perl, Git, Slurm
Spoken/written languages	German native, English fluent (TOEFL 112/120), Dutch beginner level

Technical Experience

Contract-work **12/2021 — Present**
Morris-Frank *Amsterdam*

- Project-based contracting for various companies (e.g. BioTech, AgTech)
- ML analysis tools
- Building interactive business data apps
- `DASH / GIS / data-visualization`

Machine learning scientist **11/2020 — Present**
Hummingbird Diagnostics *Heidelberg*

- Machine learning research for RNA-Seq. Causal predictive tools from NGS and Nanopore data
- Working with sequence embedding models and graph networks
- In-house interactive web app for data, feature, and result analysis
- Set-up of MLOps infrastructure to enable to run code-free ML analysis across large set of datasets and objectives
- `Python / PyTorch / sklearn / Biostatistics`

Research intern **11/2019 — 06/2020**
AMLab, University of Amsterdam *Amsterdam*

- Intern at Max Welling's Machine Learning Lab at the University of Amsterdam.

Machine learning engineer – Intern **06/2019 — 08/2019**
BMW Group *Munich*

- Building statistical models to analyze engine part quality and live fleet monitoring.
- Building a production-ready data visualization app.
- `Python / PySpark / Palantir Foundry / Dash / Agile development`

Full-stack web developer **01/2018 — 12/2018**
Bürgerwerke eG *Heidelberg*

- Ground-up development of a team communication and organization web portal in Ruby on Rails.
- `Rails / Ruby / Software Engineering`

Education

M.Sc. Artificial Intelligence **2018 — 2020**
University of Amsterdam *GPA 4/4, cum laude*

- Specialization in topics: Theoretical machine learning, Computer Vision, Reinforcement Learning, NLP, Information theory

B.Sc. Applied Computer Science **2014 — 2017**
University Heidelberg *GPA 3.58/4*

- Specialization on image processing and pattern recognition: Deep Learning, 3D Computer vision, medical image analysis, fairness in AI