Resumé

Maurice Frank

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EDUCATION

2018–2020 **M.Sc. Artificial Intelligence** — **Universiteit van Amsterdam, Vrije Universiteit Amsterdam**
{Deep, Machine, Reinforcement} Learning, Sound processing, Computer Vision *GPA 8.7/10 (est)*

2014–2017 **B.Sc. Applied Computer Science** — **University Heidelberg**
Focus: Image processing and pattern recognition *GPA 3.48/4*

2013–2014 **B.Sc. Physics** — **University Heidelberg**
Change of degree after the second semester, kept as minor studies

EXPERIENCE

02/2020–04/2020 **Teaching Assistant – IR** — **Universiteit van Amsterdam**
Teaching assistant for Masters course Information Retrieval.

09/2019–12/2019 **Internship – Medical AI** — **Spinoza Centre for Neuroimaging, Vrije Universiteit, Amsterdam**
Analysis of fMRI data from the Human Connectome Project to understand the connectivity mapping in the brain for auditory and visual stimuli. Better understanding which area of the brain is responsible for what.
`Python / PyTorch`

06/2019–08/2019 **Internship – AI for production control** — **BMW Group, Munich**
Worked within the engine development department. Building statistical models to analyze engine part quality and live fleet monitoring. Building a production ready data visualization app.
`Python / PySpark / Palantir Foundry / PostgreSQL / Dash / Agile development`

04/2018–08/2018 **Full-stack Web developer** — **Bürgerwerke eG, Heidelberg**
Ground up development of a communication and organization web portal in Ruby on Rails. Backend and Frontend work, idea to finish.
`Rails / Ruby`

09/2016–06/2017 **Laboratory admin** — **Alfred-Weber-Institute for Economics, Heidelberg**
Administrator in the behavior Economics computer lab. Development of an experiment administration software.
`Rails / Ruby / Python`

10/2015–02/2016 **Teaching Assistant** — **University Heidelberg**
Self-prepared weekly training classes for course practical computer science.
`C++`

06/2015– **CO-Founder / Voluntary work** — **Collegium Academicum, Heidelberg**
Student-founded non-profit company building sustainable student housing. We are building an innovative living space for 200 young people. Creating an educational center for holistic self-learning.
`team building / lead generation / design work / writing grant applications`

B.SC. THESIS

One-shot detection in art historic images
Using a FCN-ResNet based detector the thesis provides a reverse image search tool here in particular to retrieve art historic images containing a given object from a sample image.
`Python / Keras / Caffe`

LANGUAGES

German — native
English — proficient (TOEFL 112/120)
Persian — *learning*

HOBBIES

climbing, mountaineering, electronic music production