Resumé

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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)*

Thesis: We are conducting research on using VAEs and unsupervised representation learning for topics in Music Information retrieval (including source separation).
Supervisor: Maximilian Ilse, AMLab
`Python / PyTorch`

2014–2017	**B.Sc. Applied Computer Science**	**University Heidelberg**

Focus: Image processing and pattern recognition *GPA 3.48/4*

Thesis: Using a FCN-ResNet based detector the thesis provides a reverse image search tool here in particular to retrieve art historic images containing an object given by a reference image.
Supervisor: Dr. Miguel Bautista Martin, Prof. Dr. Björn Ommer
`Python / Caffe / Keras`

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**

TA for the masters course *Information Retrieval I.*

01/2020–02/2020	**Teaching Assistant – FACT**	**Universiteit van Amsterdam**

TA for the masters course *Fairness, Accountability, Confidentiality and Transparency in AI.*
`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`

LANGUAGES

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

HOBBIES

climbing, mountaineering, electronic music production