



FLORIAN WOLF

MACHINE LEARNING ENGINEER

DETAILS

ADDRESS

Amstelveen
Netherlands

PHONE

+31615661069

EMAIL

flocwolf@gmail.com

LINKS

[Github](#)

[LinkedIn](#)

[PapersWithCode](#)

SKILLS

Machine Learning



Computer Vision



Blockchain



Agile Development

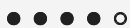


CODE

Python



C++



Rust



ROS2



SQL



TEAM

Git

Docker

Microsoft Azure

Google Cloud Platform

PROFILE

Creative mind, ambitious and quick learner with passion for intelligent robots and research affinity for 'geometric (graph) deep learning'.

EMPLOYMENT HISTORY

Data Scientist, Entis

Utrecht

Apr 2021 — Oct 2021

Developed a [classification framework](#) for sustainability of companies (F1=88.5%):

- Data analysis, augmentation and injection of synthetic data in [Databricks](#)
- Few-shot learning of large-language models for classification on the [UN SDGs](#)
- Production scale ML life-cycle in [Azure](#) and [MLFlow](#)

ML Engineer, AIHEROS

Amsterdam

Feb 2021 — Apr 2022

Achieved 93% transfer learning on the '[inversecooking](#)' model by Facebook:

- ResNet50 and Bert model coupling and fine-tuning
- Transfer learning from English to Portuguese data
- Self-supervised label matching

Work Student, Deloitte

Amsterdam

Sep 2019 — Jan 2021

Developed and deployed ML features for projects of the [Digital Risk Solutions](#) team:

- AppLab: [\[OpenCV\]](#) Face detection and recognition
- RegMiner: [\[Spacy, Snorkel\]](#) Data augmentation and week supervision training
- RegMiner: [\[FastText\]](#) NLP multi-label document classification

EDUCATION

MSc Artificial Intelligence, University of Amsterdam

Amsterdam

Sep 2018 — Jan 2021

Focus: Graph/Representation Learning, Geometric Deep Learning

Thesis with Deloitte: [Variational Bayes on Knowledge Graphs](#)

Robotics & AI Summer School, University Polytechnic of Catalunya

Jun 2021 — Jul 2021

AI Summer School for Autonomous Driving, TomTom

Amsterdam

Aug 2019 — Sep 2019

FRAMEWORKS

PyTorch
Tensorflow
Apache Spark
Pandas
Dask
D3
Kivy

LANGUAGES

English
● ● ● ● ●
German
● ● ● ● ●
Spanish
● ● ● ● ●
Dutch
● ● ● ● ●

HOBBIES

Guitar, Sketching,
Nature Hikes

FUN FACTS

Eats kiwis unpeeled
Won a presentation contest
at age 7 reading Harry Potter
Enjoys swimming in ice water
Planted 5 trees. One now
reaching 6m



REFERENCES

Marc Verdonk
- Partner, Deloitte
mverdonk@deloitte.com

Peter Bloem
- Professor, UvA
p@peterbloem.nl

Self-driving car Engineer, Udacity

Dec 2016 — Nov 2017

Topics: computer vision, robot control, localization, path-planning, deep-learning.

Capstone Project: Autonomous vehicle's ROS implementation with test-drive.

Scholarship, DAAD

for competing at [Baja SAE](#) at [UNIMEP](#), Brazil

BSc Mechanical Engineering, Technische Universität Darmstadt

Darmstadt

Oct 2012 — Oct 2016

Thesis on 3D-Printing: Controlling Fused Deposition Modeling Processes

INTERSHIPS

Project AI, Shell

Amsterdam

Jun 2019 — Jul 2019

Autonomous drone for damage detection on off-shore platforms:

- [AWS](#) boilerplate for [PyTorch](#) models on the [DeepLens](#) camera
- Processing and encoding of camera images
- Training and deploying of ResNet18 and YOLOv3 as object detector

Engineering Intern, Odebrecht

Sao Paulo

Mar 2015 — Jul 2015

Full-time internship in the engineering department, with the responsibilities:

- CAD design and counterweight calculations of heavy lifting projects
- Rigging and lifting course development
- Supervision of heavy lifting projects at construction sites

Research Assistant, TU Darmstadt

Darmstadt

Oct 2013 — Jul 2014

Assisting research on crash protection of milling machines with [Prof. Abele](#):

- CNC programming of the milling machine
- Mounting and replacing machine tools
- Resonance frequency analysis and crash tests

EXTRA-CURRICULAR ACTIVITIES

Student Activists, Amnesty International

Amsterdam

Nov 2018 — Apr 2020

Volunteering actions & political statements on human rights.

Project Lead, MediaLab Prado

Madrid

'Interactivos' workshop for creating interactive art with programmable gadgets.

Volunteer, AIESEC

Darmstadt

Oct 2012 — Oct 2013

Admin of the outgoing-exchange team with recruiting responsibilities.