



Teo Cherici

Machine Learning Engineer

Contact

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Website

<https://teo.ai/>

About

Deep Learning and Machine Learning expert, with focus on Convolutional Neural Networks for 3D voxel and point-cloud data. During my Mechanical Engineering studies at the Delft University of Technology, through Robotics, I discovered Artificial Intelligence and dived in.

Profiles

LinkedIn

[Teo Cherici](#)

GitHub

[TCherici](#)

Website

teo.ai

Work

Promaton

Mar, 2017 — Jan, 2022

Machine Learning Researcher/Engineer

Responsible for the design, training and deployment of state-of-the-art Deep Learning models for processing of dental healthcare imaging data. Experienced with (CB)CT and orthopantomographic DICOM imaging, mesh surfaces and point cloud data.

Highlights

- Designed and trained 3D volumetric and point-cloud Deep Learning models for classification, semantic segmentation, object detection and GANs for data augmentation.
- Deployed Deep Learning pipelines in RESTful APIs with Flask, FastAPI.
- Lead junior colleagues in design and training of Deep Learning models.
- Co-author of 4 patents on applied Deep Learning architectures.

Accenture

Mar, 2017 — Jan, 2022

Applied Deep Learning Internship

Involved in RNN model design and training for genome sequencing, CNNs design for materials data extrapolation and object detection models for satellite data imaging.

Skills

Deep Learning

- Tensorflow
- Torch
- CNNs
- RNNs

Computer Vision

- 3D imaging
- Image morphology
- Point Cloud
- Mesh and surface data

Programming

- python
- git
- TTD
- CI/CD

Cloud

- AWS
- Docker

🎓 Education

Delft University of Technology

Sep, 2015 — Jul, 2018

BioMechanical Design
Master of Science

Delft University of Technology

Sep, 2011 — Aug, 2015

Mechanical Engineering
Bachelor of Science

Liceo Scientifico Isaac Newton

Sep, 2005 — Jun, 2010

Diploma di maturita' scientifica

Languages

English
Fluent

Italian
Native speaker

Dutch
Fluent

French
Elementary