



Dipl-Ing Yonggeng Zhao

Full-time job ASAP

Skills

Programming

Python, JAVA, C, C++,
Linux, mysql, Solr,
Assembly language,
VHDL, MATLAB

Tools

Pytorch, Tensorflow,
Google Colaboratory,
VS code, Docker,
Singularity, Pycharm,
Dataspell, IntelliJ Idea,
Clion, phpmyadmin,
MATLAB, Simulink,
Quartus, ORCAD,
Modelsim

Languages

English C1
French B2
Mandarin

Hobbies

Guitar

Basketball

Chinese cuisine

Contacts



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Tendlergasse 12,
1090, Vienna, Austria

Extracurricular Experience

Graduation internship- R&D intern

IRT B-com, Rennes, France | 03/2023 - 09/2023

- Research and develop a StyleGAN inverting method
- Learn and reproduce state-of-the-art methods for building the benchmark
- Facilitate the training process with Singularity

Internship - Data Scientist

Beetween Software Development, Rennes, France | 05/2022 - 09/2022

- Classify potential applicant numbers for recruitment with deep learning
- Predict job type with natural language processing model BERT
- Dockerize the models to smooth the productization process
- Create a predictive model for dissolution probability
- Compare CV-parsing methods

Research project - Scientific assistant

National Institute of Applied Sciences, Rennes, France | 09/2021 - 05/2022

- Extract image data from diverse medicinal reports
- Implement deep learning methods to denoise CT images
- Evaluate model performance through task-based approaches

Internship - Scientific assistant

Northeastern University, China | 06/2021 - 08/2021

- Segment the left ventricle from heart CT image with U-NET
- Deepen the operation on deep learning and image processing techniques

Education

Dipl. -Ing / Master: Electronics and Computer Engineering

National Institute of Applied Sciences, Rennes, France | 2018 - 2023

Specialized subjects: Computer Vision, Machine Learning, Image Processing, Electronic Automation, Embedded Architecture

Compulsory subjects: Python, JAVA, C++, Algebra, Analysis, Probability

Projects

Video frame-rate optimization with Deep Learning

- Research and development of a deep neural network that selects frame rates based on video to guarantee video fluency

2D graphic computer game based on language C

- Code a 2D game with language C. Extend SDL library for front-end. Apply UnitTest with google test to ensure functionality.

Simulation of a processor in VHDL

- Simulate the processing of instruction and data. Code 'fetch, decode, execute' phases with VHDL.