Malte Tölle

Glünderstr. 3
30167 Hannover

malte.toelle@gmail.com

+49 157 34677867

@maltetoelle

@maltetoelle

maltetoelle.github.io

WORK EXPERIENCE

10/19 – 03/20	Internship in Vision department at **Yuanda Robotics GmbH** Algorithms and applications for vision tasks in the industrial cobot domain (object localization and pose estimation, optical character recognition, UI programming)
04/19 – 09/19	Student Assistant at **Institue for Mechatronic Systems** at Leibniz University Hannover Research on Variational Autoencoders, explanatory AI in terms of Deep Image Prior
03/19 - present	External Lecturer at **DHBW Mosbach** Supervision of student theses in Computer Science and Mechanical Engineering
01/18 – 09/19	Student Assistant at **Institute for Multiphase Processes**, Leibniz University Hanover Research on electrospinning of artificial heart pumps, programming and construction of microcontroller based collectors
10/17 – 12/17	Internship at **Institute for Multiphase Processes**, Leibniz University Hanover Research on electrospinning of artificial shoulder tendons
07/14 – 09/17	Corporate Student at **Robert Bosch GmbH** and **EM-Motive GmbH**, Hildesheim Projectmanagement, production planning, process engineer for electric motors in cars

EDUCATION

10/19 – present	**M.Sc. in Mechanical Engineering**, Leibniz University Hanover Master Thesis: A Bayesian Perspective on Deep Image Prior
10/17 – present	**M.Sc. in Biomedical Engineering**, Leibniz University Hannover *Master Thesis*: A Bayesian Perspective on Deep Image Prior
02/16 – 06/16	Semester Abroad, **Chung-Ang University, Seoul**, South Korea
10/14 – 09/17	**B.Eng. Mechanical Engineering**, DHBW Mosbach *Specialization*: Construction and Development, *Grade*: 1.4 (ECTS Grade A)

TECHNICAL SKILLS

Programming	Python, Matlab, C++, JavaScript, TypeScript (PyTorch, Tensorflow, SciPy, NumPy, scikit-learn, OpenCV, Jupyter Lab, SpaCy, Flask, React, Node)
CAD	Siemens NX, Solid Works, Solid Edge, Inventor
Microsoft Office	Word, PowerPoint, Excel, OneNote, Teams

ACHIEVEMENTS

10/18 – present	Scholarship **Louis Schuler Fonds** for outstanding and social committed students

PUBLICATIONS

MICCAI 2020 (Workshop)	Max-Heinrich Laves, **Malte Tölle**, Tobias Ortmaier (2020). Uncertainty Estimation in Medical Image Denoising with Bayesian Deep Image Prior

LANGUAGES

German	Native Language
English	Expert, fluent in word and writing

VOLUNTEER EXPERIENCE

10/17 – 03/19	Development of website for gathering all offerings in Hildeheim benefitial for the integration of refugees (GitHub Link)
04/17 – 08/19	Refugee Aid at Flux Hildesheim Private tutoring in mathematics and German
03/10 – 07/14	Team leader in youth group at evangelical church in Nordstemmen