

Dongliang Cao

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EDUCATION

University of Bonn

PhD candidate in Learning and Optimisation Group (Prof. Florian Bernard)

Bonn, Germany

April 2022 – now

Technical University of Munich

M.Sc. in Robotics, Cognition, Intelligence; GPA: 1.4/1.0 (Top 20%)

Munich, Germany

Sep 2019 – April 2022

Hochschule Zittau/Görlitz

B.Eng. in Mechatronics; Exchange student (Degree program)

Zittau, Germany

Sep 2018 – Sep 2019

Tongji University

B.Sc. in Mechatronics; GPA: 88/100 (Top 20%)

Shanghai, China

Sep 2015 – Sep 2018

PUBLICATION

3DV2024: Dongliang Cao, Paul Roetzer, Florian Bernard. Revisiting Map Relations for Unsupervised Non-Rigid Shape Matching.[pdf]

Medical Image Analysis: Zhongliang Jiang, Yue Zhou, **Dongliang Cao**, Nassir Navab. DefCor-Net: Physics-Aware Ultrasound Deformation Correction.[pdf][code]

SIGGRAPH2023: Dongliang Cao, Paul Roetzer, Florian Bernard. Unsupervised Learning of Robust Spectral Shape Matching.[pdf][code][project page]

CVPR2023: Dongliang Cao, Florian Bernard. Self-Supervised Learning for Multimodal Non-Rigid 3D Shape Matching.[pdf][code] (*selected as highlight, 2.5% of submissions*)

ECCV2022: Dongliang Cao, Florian Bernard. Unsupervised Deep Multi-Shape Matching.[pdf][code]

INTERNSHIP

ABB, Global Research Center

Research Intern, Thesis Student (Dr. Fan Dai)

- *Software development for robotics automation*

Ladenburg, Germany

May 2019 – Sep 2019

TEACHING

University of Bonn

Lecture Tutor for Numerical Algorithm (Prof. Florian Bernard)

- *Tutorial lectures, exercise and exam correction*

Bonn, Germany

Nov 2021 – Feb 2022

Technical University of Munich

Lecture Tutor for Machine Learning (Prof. Stephan Gunnemann)

- *Exercise and exam correction*

Munich, Germany

Oct 2020 – Feb 2021

SKILLS

Programming: PyTorch, Python, MATLAB

Languages: Chinese (Native), English (Fluent), German (Fluent)

AWARDS & ACHIEVEMENTS

Graduate with Distinction: Top 20% graduates from Technical University of Munich.

DAAD Scholarship: Scholarship for abroad student in Germany.

Tongji Scholarship of Excellence: Awarded to excellent students at Tongji University.