

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

ECCV2024: Dongliang Cao, Zorah Laehner, Florian Bernard. Synchronous Diffusion for Unsupervised Smooth Non-Rigid 3D Shape Matching.[pdf]

CVPR2024: Dongliang Cao, Marvin Eisenberg, Nafie El Amrani, Daniel Cremers, Florian Bernard. Spectral Meets Spatial: Harmonising 3D Shape Matching and Interpolation.[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

MPI for Informatics

Research Intern

- *Dynamic digital human avatar generation*

Saarbrücken, Germany

October 2024 – March 2025

Sensetime

Research Intern

- *Optical flow estimation and image deblur for ISP*

Shanghai, China

April 2021 – March 2022

ABB, Global Research Center

Research Intern, Thesis Student

- *Digital twin development and object pose estimation for robotics*

Ladenburg, Germany

May 2019 – Sep 2019

TEACHING

Technical University of Munich

Lecture Tutor for Machine Learning (Prof. Stephan Günnemann)

- *Exercise and exam correction*

Munich, Germany

Oct 2020 – Feb 2021

SKILLS

Programming: PyTorch, Python, C++

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

AWARDS & ACHIEVEMENTS

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

DAAD Scholarship: Scholarship for foreign student in Germany.