

Thomas Wimmer

wimmerth.github.io

EDUCATION

Max-Planck-Institute for Informatics, ETH Zurich **Saarbrücken, Germany & Zürich, Switzerland**
Joint Doctorate on 3D Computer Vision; (Dynamic) Scene Reconstruction, Analysis and Generation 11/2024 – 11/2027

- Joint supervision by Jan Eric Lenssen, Bernt Schiele, Christian Theobalt (MPI-INF), and Siyu Tang (ETHZ).
- Fellow of the Max Planck ETH Center for Learning Systems (CLS) [one of 8 successful applicants from >1000 applications], and the European Laboratory for Learning and Intelligent Systems (ELLIS) [5% acceptance rate].

Technical University of Munich **Munich, Germany**
Master of Science in Informatics 10/2021 – 07/2024

- **Cumulative Grade:** 1.06 / 1 [A]; Passed with high distinction
- **Thesis:** Text-Driven Animation of 3D Gaussian Splatting Scenes (in collaboration with [Google Research](#))
– Supervisors: [Federico Tombari](#) and [Andreas Geiger](#).

Institut Polytechnique de Paris (incl. École Polytechnique, TELECOM Paris) **Palaiseau, France**
Master of Science in Computer Science, Specialization: Data & Artificial Intelligence 09/2022 – 09/2023

- **Cumulative Grade:** 18.43 / 20 [A+, Ranked **first in class**]; Graduation with highest honors.
- **Thesis:** Back to 2D: Shape Analysis through the lens of large pre-trained 2D Models – Supervisor: [Maks Ovsjanikov](#)

Technical University of Munich **Munich, Germany**
Bachelor of Science in Informatics, Minor in Physics 10/2018 – 11/2021

- **Cumulative Grade:** 1.50 / 1 [A]; Passed with distinction
- **Thesis:** Scale-Equivariant Deep Learning for 3D Data – Supervisor: [Daniel Cremers](#)

University of Copenhagen **Copenhagen, Denmark**
Visiting Student (Semester abroad) in M.Sc. Computer Science 09/2020 – 01/2021

Kempton University of Applied Sciences **Kempton, Germany**
Early Studies Program, Informatics 10/2015 – 03/2016

- Promotion of gifted students in the field of informatics

WORK EXPERIENCE

Google Research, Technical University of Munich **Munich, Germany / Zurich (remote)**
Master Thesis Student 12/2023 – 06/2024

- Co-supervision by [Federico Tombari](#) and [Andreas Geiger](#), in collaboration with [Michael Niemeyer](#) and [Michael Oechsle](#).

École Polytechnique, INRIA **Palaiseau, France**
Research Intern, 3D Shape Analysis 04/2023 – 09/2023

- Research internship in the [GeomeriX](#) group under the supervision of [Maks Ovsjanikov](#).
- Work on knowledge transfer from large pre-trained (multi-modal) 2D models for 3D shape analysis.

Technical University of Munich **Munich, Germany**
Teaching Assistant, Functional Programming and Verification 10/2020 – 03/2021

VOLUNTARY WORK

European Union Strategy for the Alpine Region (EUSALP)
Founding Member and German Delegate, EUSALP Youth Council 2021 – 2023

Alpine Convention
German Delegate, Youth Parliament to the Alpine Convention 2017 – 2018

PUBLICATIONS

Gaussians-to-Life: Text-Driven Animation of 3D Gaussian Splatting Scenes

Thomas Wimmer, Michael Oechsle, Michael Niemeyer, Federico Tombari
In Proceedings of the International Conference on 3D Vision (**3DV**), 2025

MEt3R: Measuring Multi-View Consistency in Generated Images

Mohammad Asim, Christopher Wewer, [Thomas Wimmer](#), Bernt Schiele, and Jan Eric Lenssen
Preprint, 2025

Back to 3D: Few-Shot 3D Keypoint Detection with Back-Projected 2D Features

[Thomas Wimmer](#), Peter Wonka, and Maks Ovsjanikov
In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2024

Scale-Equivariant Deep Learning for 3D Data

[Thomas Wimmer](#), Vladimir Golkov, Hoai Nam Dang, Moritz Zaiss, Andreas Maier, and Daniel Cremers
Preprint, 2023

Language Models for German Text Simplification: Overcoming Parallel Data Scarcity through Style-specific Pre-training

Miriam Anschutz, Joshua Oehms, [Thomas Wimmer](#), Bartłomiej Jezierski, and Georg Groh
In Findings of the Association for Computational Linguistics (**ACL**), 2023

Vorhersage von Spielereignissen während eines Fußballspiels mittels Machine Learning Verfahren

Oral Presentation and Young Researcher Award
Steffen Lang, [Thomas Wimmer](#), Alexander Isenko, and Daniel Link
In 28. Annual Conference of the Commission on Soccer of the German Association for Sports Science (dvs), 2023

Joint MR sequence optimization beats pure neural network approaches for spin-echo MRI super-resolution

Hoai Nam Dang, Vladimir Golkov, [Thomas Wimmer](#), Daniel Cremers, Andreas Maier, and Moritz Zaiss
In International Society for Magnetic Resonance in Medicine (ISMRM) Annual Meeting, 2024

HONORS AND AWARDS

Scholarship Holder of the Konrad Zuse School of Excellence in Learning and Intelligent Systems (ELIZA)	2023 – 2024
▪ Research-oriented Master's scholarship for outstanding talents in AI on track to their PhD. Part of Germany's AI strategy.	
Scholarship Holder of the German Academic Scholarship Foundation (Studienstiftung des Deutschen Volkes)	2022 – 2024
▪ Monetary and non-material support for outstanding academic achievements and contributions to society	
Award for the best Abitur (High School Diploma) in Physics and Mathematics	2018
Multiple prize winner in the regional Jugend-forscht (youth research) competition	2016 – 2017
Multiple prize winner in the Mathematics Olympiad at the state level	2010 – 2015

Additional Information

Conference Participation:

International Conference on 3D Vision	Singapore, 2025
IEEE/CVF Conference on Computer Vision and Pattern Recognition	Seattle, USA, 2024
International Geometry Summit (incl. Symposium on Geometry Processing)	Genoa, Italy, 2023

Invited Talks:

<i>From 2D to 3D: Applications of large pre-trained 2D models for 3D shape analysis and generative scene dynamics</i>	
Computer Vision and Learning Group (Siyu Tang)	ETH Zürich, 2024
<i>Back to 3D: Few-Shot 3D Keypoint Detection using Back-Projected 2D Features</i>	
Departments of Computer Vision (Bernt Schiele) and Visual Computing (Christian Theobalt)	MPI for Informatics, 2024
Autonomous Vision Group (Andreas Geiger)	University of Tübingen, 2024

Reviewer Duties: TPAMI (2024-), CVPR (2025-)

Hobbies: Outdoor sports (Running, Cycling, Climbing, Skiing, Sailing, Football, ...), Reading, Photography, Museums