

Thomas Wimmer

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Doctoral researcher in 3D computer vision and visual semantics at the Max Planck Institute for Informatics and ETH Zurich.

EDUCATION

Max-Planck-Institute for Informatics & ETH Zurich **Saarbrücken, Germany & Zurich, 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 \(ELLIS\)](#) [3% 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](#))
– 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

WORK EXPERIENCE

Google, 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](#).
- Work on using video diffusion models to animate given 3D scenes. Published at 3DV '25.

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. Published at CVPR '24.

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

SELECTED PUBLICATIONS (FULL LIST IN GOOGLE SCHOLAR)

Do It Yourself: Learning Semantic Correspondence from Pseudo-Labels

Olaf Dünkel, [Thomas Wimmer](#), Christian Theobalt, Christian Rupprecht, Adam Kortylewski
In Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV), 2025

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
In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 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 Anschütz, Joshua Oehms, [Thomas Wimmer](#), Bartłomiej Jezierski, and Georg Groh
In Findings of the Association for Computational Linguistics (ACL), 2023

HONORS, AWARDS AND GRANTS

Project Lead at Saarbrücken Research Center for Visual Computing, Interaction and Artificial Intelligence (VIA) 2025

- Project-specific collaboration between Google and the Max Planck Institute for Informatics.

Doctoral Fellow of the Max Planck ETH Center for Learning Systems (CLS) and ELLIS 2024 – 2027

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

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:

From 2D to 3D: Applications of large pre-trained 2D models for 3D shape analysis and generative scene dynamics
Computer Vision and Learning Group (Siyu Tang) ETH Zürich, 2024

Back to 3D: Few-Shot 3D Keypoint Detection using Back-Projected 2D Features
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-), ICCV (2025-), NeurIPS (2025-), SIGGRAPH Asia (2025-)

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