

# Thomas Wimmer

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

## EDUCATION

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<b>Max-Planck-Institute for Informatics &amp; ETH Zurich</b> <i>Joint Doctorate on 3D Computer Vision and Representation Learning</i>	<b>Saarbrücken, Germany &amp; Zurich, Switzerland</b> 11/2024 – 11/2027
<ul style="list-style-type: none"><li>Joint supervision by Jan Eric Lenssen, Bernt Schiele, Christian Theobalt (MPI-INF), and Siyu Tang (ETHZ).</li><li>Fellow of the Max Planck ETH Center for Learning Systems (CLS) [8 successful applicants from &gt;1000 applications], and the European Laboratory for Learning and Intelligent Systems (ELLIS) [3% acceptance rate].</li></ul>	
<b>Technical University of Munich</b> <i>Master of Science in Informatics</i>	<b>Munich, Germany</b> 10/2021 – 07/2024
<ul style="list-style-type: none"><li>Cumulative Grade: 1.06 / 1 [A]; Passed with high distinction</li><li>Thesis: Text-Driven Animation of 3D Gaussian Splatting Scenes (in collaboration with Google) – Supervisors: Federico Tombari and Andreas Geiger.</li></ul>	
<b>Institut Polytechnique de Paris</b> (incl. École Polytechnique, TELECOM Paris) <i>Master of Science in Computer Science, Specialization: Data &amp; Artificial Intelligence</i>	<b>Palaiseau, France</b> 09/2022 – 09/2023
<ul style="list-style-type: none"><li>Cumulative Grade: 18.43 / 20 [A+, Ranked <b>first in class</b>]; Graduation with highest honors.</li><li>Thesis: Back to 2D: Shape Analysis through the lens of large pre-trained 2D Models – Supervisor: Maks Ovsjanikov</li></ul>	
<b>Technical University of Munich</b> <i>Bachelor of Science in Informatics, Minor in Physics</i>	<b>Munich, Germany</b> 10/2018 – 11/2021
<ul style="list-style-type: none"><li>Cumulative Grade: 1.50 / 1 [A]; Passed with distinction</li><li>Thesis: Scale-Equivariant Deep Learning for 3D Data – Supervisor: Daniel Cremers</li></ul>	
<b>University of Copenhagen</b> <i>Visiting Student (Semester abroad) in M.Sc. Computer Science</i>	<b>Copenhagen, Denmark</b> 09/2020 – 01/2021
<b>Kempten University of Applied Sciences</b> <i>Early Studies Program, Informatics</i>	<b>Kempten, Germany</b> 10/2015 – 03/2016

## WORK EXPERIENCE

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<b>Technical University of Munich, Google</b> <i>Master's Thesis Student</i>	<b>Munich, Germany</b> 12/2023 – 06/2024
<ul style="list-style-type: none"><li>Co-supervision by Federico Tombari and Andreas Geiger, in collaboration with Michael Niemeyer and Michael Oechsle.</li><li>Work on using video diffusion models to animate given 3D scenes. Published at 3DV '25.</li></ul>	
<b>École Polytechnique, INRIA</b> <i>Research Intern, 3D Shape Analysis</i>	<b>Palaiseau, France</b> 04/2023 – 09/2023
<ul style="list-style-type: none"><li>Research internship in the GeomeriX group under the supervision of Maks Ovsjanikov.</li><li>Work on knowledge transfer from pre-trained (multi-modal) 2D models for 3D shape analysis. Published at CVPR '24.</li></ul>	
<b>Technical University of Munich</b> <i>Teaching Assistant, Functional Programming and Verification</i>	<b>Munich, Germany</b> 10/2020 – 03/2021

## VOLUNTARY WORK

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<b>European Union Strategy for the Alpine Region (EUSALP)</b> <i>Founding Member and German Delegate, EUSALP Youth Council</i>	2021 – 2023
<b>Alpine Convention</b> <i>German Delegate, Youth Parliament to the Alpine Convention</i>	2017 – 2018

## SELECTED PUBLICATIONS (FULL LIST IN GOOGLE SCHOLAR)

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### AnyUp: Universal Feature Upsampling

Thomas Wimmer, Prune Truong, Marie-Julie Rakotosaona, Michael Oechsle, Federico Tombari, Bernt Schiele, Jan Eric Lenssen  
In Proceedings of the International Conference on Learning Representations (**ICLR**), 2026

### 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, 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, Maks Ovsjanikov  
In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2024

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

Miriam Anschütz, Joshua Oehms, Thomas Wimmer, Bartłomiej Jezierski, Georg Groh  
In Findings of the Association for Computational Linguistics (**ACL**), 2023

## HONORS, AWARDS AND GRANTS

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**Outstanding Reviewer Award at the International Conference on Computer Vision (ICCV)** (~3% of reviewers) 2025  
**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 d. Deutschen Volkes) 2022 – 2024  
▪ Monetary and non-material support for outstanding academic achievements and contributions to society.

## ADDITIONAL INFORMATION

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### Conference Participation:

International Conference on Learning Representations	Rio de Janeiro, Brazil, 2026
IEEE/CVF International Conference on Computer Vision	Honolulu, USA, 2025
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

(peer-reviewed a total of 18 papers in A\* ML/CV/Graphics venues):

TPAMI (2024, 2025), CVPR (2025, 2026), ICCV (2025), NeurIPS (2025), SIGGRAPH Asia (2025), ICLR (2026)

**Languages:** German (mother tongue), English (fluent), French (professional proficiency), Danish (basic knowledge)

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