

Hongyu ZHOU

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Personal information

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Education

University of Bonn Doctoral Program Gaussian Splatting, 3D Reconstruction	06/2024 - Now
ENS Paris Saclay Master in Computer Science, MVA program Mention Très Bien	10/2022 - 09/2023
Ecole Polytechnique Diplôme d'Ingénieur	09/2019 - 09/2022
University of Science and Technology of China Bachelor in Mathematics	09/2015 - 06/2019

Employment

Data Science Intern, Minimax, Shanghai Preprocessed acoustic data for multilingual speech foundation model training.	01/2024 - 04/2024
Research Intern, IMAGINE, ENPC Semantic segmentation of CASSINI maps. Paper accepted in ICDAR 2025 as Oral.	04/2023 - 08/2023
Research Intern, Institut Pasteur Self-supervised learning for medical image segmentation. Explored multiple self-supervised learning methods including inpainting and contrastive learning.	04/2022 - 08/2022

Publication

- Hongyu Zhou** and Zorah Lähner. Laplace-Beltrami Operator for Gaussian Splatting. In *3DV* 2026.
- Marta López-Rauhut, **Hongyu Zhou**, Mathieu Aubry, and Loic Landrieu. Segment France across Four Centuries. In *ICDAR 2025*.
- Guillaume Astruc, Nicolas Dufour, Ioannis Siglidis, Constantin Aronsson, Nacim Bouia, Stephanie Fu, Romain Loiseau, Van Nguyen Nguyen, Charles Raude, Elliot Vincent, Lintao Xu, **Hongyu Zhou**, and Loic Landrieu. Openstreetview-5m: The many roads to global visual geolocation. In *CVPR* 2024.

Teaching

Teaching Assistant for Geometry Deep Learning	10/2025 - Now
Project Advisor for Master Lab Course	10/2025 - Now
Project Advisor for Bachelor Group Project	04/2025 - 09/2025
Teaching Assistant for Geometry Deep Learning	10/2024 - 02/2025
Project Advisor for Master Seminar	10/2024 - 02/2025
Teaching Assistant for Linear Algebra	02/2019 - 06/2019

Languages

Chinese: native speaker **English:** proficient
French: proficient

Technical skills

PyTorch: advanced **C++ :** intermediate
Shell: intermediate **Git :** intermediate
Blender: beginner **CUDA:** beginner