Clément Jambon
cjambon@mit.edu, Webpage, Github, LinkedIn

Education

2024 - **now** **MIT, Cambridge, USA**, *PhD program.* GPA: 5.0/5.0.
Advised by Mina Konaković Luković in the Algorithmic Design Group.

2022 - 2024 **ETH, Zürich, Switzerland**, *Master of Science in Computer Science.* Grade: 5.71/6.0.
Major in *Visual and Interactive Computing* and Minor in *Machine Learning*. "Honorable Mention" at the rendering competition of the Computer Graphics 2022 course.

2019 - 2023 **École Polytechnique, Paris, France**, *Postgraduate engineering degree.* GPA: 3.9/4.0.
One of France's leading schools of science and engineering. Military training.

2017 - 2019 **Lycée Faidherbe, Lille, France**, *Undergraduate studies*
Two-year intensive university-level (undergraduate) preparation in mathematics and physics to prepare for highly competitive nationwide exams (*Classes Préparatoires*).

Work Experience

March 2024 - Aug. 2024 **Visiting Student, Seoul National University, Seoul, South Korea**
Visited the 3D Vision Lab for my Master's Thesis. Supervised by Prof. Young Min Kim (SNU) and Prof. Olga Sorkine-Hornung (ETH Zürich).

Oct. 2023 - Feb. 2024 **Research Intern (Internship), NVIDIA, Zürich, Switzerland**
Worked on a confidential high-performance graphics research project. Supervised by Thomas Müller, Merlin Nimier-David and Alex Keller.

Jan. 2023 - June 2023 **Semester project, CVG lab, ETH, Zürich, Switzerland**
Research project supervised by PhD student Silvan Weder and Prof. Marc Pollefeys

March 2022 - Aug. 2022 **Research Intern (Internship), Inria, GraphDeco Team, Sophia-Antipolis, France**
Research project supervised by George Drettakis. Resulted in *NeRFshop* (I3D 2023). Received the Best Research Internship Award from École Polytechnique.

June 2021 - Aug. 2021 **Computer Vision Engineer (Internship), Wemap, Montpellier, France**
Devised a state-of-the-art visual positioning system from scratch. See demo.

Oct. 2019 - March 2020 **Teacher and Research Assistant (Internship), Institute of Technology of Cambodia, Phnom-Penh, Cambodia**
Provided 40 Cambodian students with a preparation for l'École Polytechnique's entrance exam. Led a five-month research project on Reinforcement Learning in the robotics laboratory.

Oct. 2015 - Sept. 2017 **Software Developer, Artenpik, Lille, France**
Created an augmented-reality platform for street-artists. Won two hackathon prizes including First Place at the "*Happy Hacking Days*" in 2015.

Publications

SIGGRAPH Asia 2025 *PhysiOpt: Physics-Driven Shape Optimization for 3D Generative Models*, Xiao Zhan*, **Clément Jambon***, Evan Thompson, Kenney Ng, Mina Konaković Luković.

Under submission *ExCellGen: Fast, Controllable, Photorealistic 3D Scene Generation from a Single Real-World Exemplar*, **Clément Jambon**, Changwoon Choi, Dongsu Zhang, Olga Sorkine-Hornung, Young Min Kim.

SIGGRAPH 2025 *BrepDiff: Single-stage B-rep Diffusion Model*, Mingi Lee*, Dongsu Zhang*, **Clément Jambon***, Young Min Kim.

I3D 2023 *NeRFshop: Interactive Editing of Neural Radiance Fields*, **Clément Jambon**, Bernhard Kerbl, Georgios Kopanas, Stavros Diolatzis, Thomas Leimkühler, George Drettakis.

SIGGRAPH Asia 2022 *Neural Point Catacaustics for Novel-View Synthesis of Reflections*, Georgios Kopanas, Thomas Leimkühler, Gilles Reiner, **Clément Jambon**, George Drettakis.

Leadership & Service

2025 - **now** Volunteer at Navigation Games, promoting orienteering in schools and youth-serving organizations.

2024 - **now** Co-President of the MIT EECS Graduate Student Association (EECS GSA).

2023 - 2024 President of the International Student Association (MoEB) at ETH Zürich.

2020 - 2022 Volunteer and event organizer for the Cooking Society (Ratatouille), Arts Society (Bureau des Arts), Mathematical Society, Computer Society (Binet Réseau), and Adventure Racing Club (Raid de l'X) at École Polytechnique.