

Profile

PhD student at Aalto University focusing on 3D reconstruction in challenging, real-world environments.

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| Education | Aalto University | Espoo, Finland |
| | PhD student, Department of Computer Science | 2024-2028 |
| | Advisors: Prof. Juho Kannala and Prof. Arno Solin. | |
| | ETH Zurich | Zurich, Switzerland |
| | MSc Robotics, Systems and Control | 2021 - Nov, 2024 |
| | Focus on computer vision and machine learning. Semester project @ ASL and MSc thesis @ CVG. | |
| | University of Glasgow | Glasgow, Scotland |
| | BEng (Hons) in Mechanical Engineering with Aeronautics | 2017-2021 |
| | Grade: 1st class honours. Cumulative GPA: 20.5/22. | |

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| Experience | Research Assistant | Dec 2023 - May 2024 |
| | Aalto University | |
| | Project related to 3D Gaussian splatting. Contributed to gsplat . | |
| | Research Intern | April 2023 - Nov 2023 |
| | VTT Technical Research Centre of Finland | |
| | Project related to hyperspectral radiance fields for material classification in 3D. Contributing to Nerfstudio and BARF-nerfstudio . | |
| | Research Assistant | Feb 2022 - July 2022 |
| | Computer Vision and Learning Group (VLG), ETH Zurich | |
| | Project related to human pose estimation from images. Publication: EgoBody . Guided by doctoral student Siwei Zhang (Doctorate at D-INFK, ETH Zurich). | |
| | Drone Systems Trainee | Jun 2020 - Aug 2021 |
| | Nokia | |
| | R&D intern at Nokia working with LTE connected drones. Worked on camera based precision landing with Jetson Nano and OpenCV. | |

Publications

DN-Splatter: Depth and Normal Priors for Gaussian Splatting and Meshing, ArXiv preprint, 2024.

Gaussian Splatting on the Move: Blur and Rolling Shutter Compensation for Natural Camera Motion, ECCV, 2024

gsplat: An Open-Source Library for Gaussian Splatting, Arxiv preprint, 2024.

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| Skills | Python | C++ | CUDA |
| | Blender | PyTorch | OpenCV |

Links

[GitHub](#)[Scholar](#)[LinkedIn](#)