

Profile	Ph.D. student at Aalto University focusing on 3D reconstruction in challenging, real-world environments.		
Education	Aalto University	Espoo, Finland	
	Ph.D. Student, Department of Computer Science	2024-2028	
	Advisors: Prof. Juho Kannala and Prof. Arno Solin.		
	ETH Zurich	Zurich, Switzerland	
Experience	M.Sc. 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.		
	Research Assistant	Dec 2023 - May 2024	
	Aalto University		
	Project related to 3D Gaussian splatting. Contributed to gsplat .		
	Research Intern	April 2023 - Nov 2023	
	VTI, Technical Research Centre of Finland		
	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		
	Human pose estimation from images. Publication: EgoBody . Guided by Ph.D student Siwei Zhang (D-INFK, ETH Zurich).		
	Drone Systems Trainee	Jun 2020 - Aug 2021	
	Nokia		
	R&D intern at Nokia working with LTE connected drones at Nokia Drone Networks .		
	Publications		
	DN-Splatter: Depth and Normal Priors for Gaussian Splatting and Meshing, M. Turkulainen , X. Ren, I. Melekhov, O. Seiskari, E. Rahtu, J. Kannala. <i>Winter Conference on Applications of Computer Vision (WACV)</i> , 2025.		
	Gaussian Splatting on the Move: Blur and Rolling Shutter Compensation for Natural Camera Motion, O. Seiskari, J. Ylilammi, V. Kaatrasalo, P. Rantalankila, M. Turkulainen , J. Kannala, E. Rahtu, A. Solin. <i>European Conference on Computer Vision (ECCV)</i> , 2024.		
Links	gsplat: An Open-Source Library for Gaussian Splatting, V. Ye, R. Li, J. Kerr, M. Turkulainen , B. Yi, Z. Pan, O. Seiskari, J. Ye, J. Hu, M. Tancik, A. Kanazawa. <i>Arxiv preprint (ArXiv:2409.06765)</i> , 2024.		
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