## Felix Taubner – Résumé

• Outstanding D-MAVT Bachelor Award for excellent grades in first year exams (2'000 CHF).

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EDUCATION				
PhD in Computer Science, University of Toronto.  Supervised by David B. Lindell. Specializing in 4D generative models with a focus on digital human avatars.			<b>09/2024</b> — <b>present</b> Toronto, Canada	
MSc in Robotics, Systems and Co Supervised by Roland Siegwart. F BSc in Mechanical Engineering, Focus: Robotics, control and comp	ocus: 3D computer vision, perce <b>ETH Zurich.</b> GPA: 5.72/6.00		Zurich, S <b>09/2015</b>	— 08/2022 witzerland — 05/2019 witzerland
RESEARCH EXPERIENCE				
PhD Student and Research Assistant @ University of Toronto Supervised by David B. Lindell.			<b>05/2024 — presen</b> t Toronto, Canada	
	e 3D Gaussian splatting. SOTA	mages using morphable multi-view dif- performance on single-image and few- 5.		
AI Research Scientist @ LG Electronics Supervised by Jinmiao Huang and Kevin Ferreira.			<b>10/2022 — 02/202</b> 4 Toronto, Canada	
ture performance and 8% bette	er 3D reconstruction accuracy ( ter October 2023), responsible t	ne that achieves 54% better motion capover SOTA. Published in CVPR 2024. for aligning and planning research directal human animation.		
Visiting Graduate Student and Research Assistant @ University of Toronto Supervised by Igor Gilitschenski.			<b>11/2021 — 09/2022</b> Toronto, Canada	
tasks. Improved classification	accuracy on the N-Caltech101 o	ased data for downstream deep learning dataset by 2.3% over SOTA. eras using neural radiance fields (NeRFs).		
Graduate Student Research @ ETH Zurich Supervised by Roland Siegwart.			<b>01/2020</b> — <b>08/2020</b> Zurich, Switzerland	
		ses attention-based neural networks to cameras. Published in 3DV 2020.		
OTHER EXPERIENCE				
Robotics Intern @ Amazon Created a control algorithm for a	fleet of autonomous ground v	ehicles using linear programming.	<b>04/2021 — 10/202</b> Vercelli, Ital	
Perception Intern @ incon.ai Design and implementation of ar	ı AR assistant for sculptors usir	ng RGB-D cameras.	<b>09/2020</b> — <b>04/202</b> : Zurich, Switzerland	
<b>Teaching Assistant @ ETH Zurich</b> Taught classes on undergrad leve		roject, Dynamics and Thermodynamics.	<b>03/2017</b> — <b>09/202</b> 0 Zurich, Switzerland	
PUBLICATIONS AND SUBMISS	ONS			
<ul> <li>Felix Taubner, Ruihang Zhang, Mathieu Tuli and David B. Lindell: "CAP4D: Creating Animatable 4D F Avatars with Morphable Multi-View Diffusion Models", CVPR 2025</li> </ul>			Portrait	12/2024
Felix Taubner, Prashant Raina, Mathieu Tuli, Eu Wern Teh, Chul Lee and Jinmiao Huang: "3D Face Tracking from 2D Video through Iterative Dense UV to Image Flow", CVPR 2024			06/2024	
<ul> <li>Felix Taubner: "WARPS: Representing Asynchronous Event-based Data as Images of Warped Events"</li> </ul>			", Master Thesis	05/2022
<ul> <li>Felix Taubner, Florian Tschopp "LCD – Line Clustering and De</li> </ul>				11/2020
Awards				
<ul> <li>DiDi Graduate Student Award</li> <li>Master Thesis Grant from the 2</li> </ul>		CAD) for academic merit. n (12'000 CHF) for academic merit.		01/202! 03/2022

09/2016