Work Experience

05.2025 - Present Staff Research Scientist	**Google** in Washington (Remote) *Working on GenAI data at Google DeepMind.*
12.2019 - 05.2025 Senior Research Scientist	**Adobe** in Washington (Remote) *One of the five founders of Firefly where I defined our data landscape, shipped Image Denoising and Lens Blur and Sky Segmentation in Lightroom, shipped Mockup in Illustrator, shipped Structure Reference in Firefly, demoed Clean Machine and Project Inbetween and Moving Stills at the MAX conference.*
07.2019 - 11.2019 Research Intern	**Google** in Mountain View *Created a prototype that uses dual views for effective reflection removal.*
03.2018 - 06.2019 Research Intern	**Adobe** in San Jose *Created the Moving Stills prototype to synthesize the 3D Ken Burns effect.*
10.2012 - 03.2013 Engineering Intern	**Fresenius** in Schweinfurt *Created a monitoring and analysis tool for debugging embedded multiprocessor systems.*
09.2011 - 02.2012 Engineering Intern	**Fraunhofer** in Nürnberg *Created a monitoring tool for Android and iOS to analyze embedded environments.*

Professional Services

Area Chair	1×CVPR, 1×ICCV, 1×ECCV
Reviewer	4×CVPR, 2×ICCV, 2×ECCV, 2×WACV, 5×TOG, 1×IJCV, 1×PAMI

Written Publications

06.2025 CVPR	**Classic Video Denoising in a Machine Learning World** X. Jin, S. Niklaus, Z. Zhang, Z. Xia, C. L. Guo, Y. Yang, J. Chen, and C. Li
03.2024 TBD	**Benchmarking Video Frame Interpolation** Simon Kiefhaber, Simon Niklaus, Feng Liu, and Simone Schaub-Meyer
01.2023 WACV	**Splatting-based Synthesis for Video Frame Interpolation** Simon Niklaus, Ping Hu, and Jiawen Chen
01.2021 WACV	**Revisiting Adaptive Convolutions for Video Frame Interpolation** Simon Niklaus, Long Mai, and Oliver Wang
01.2021 WACV	**Learned Dual-View Reflection Removal** S. Niklaus, X. Zhang, J. T. Barron, N. Wadhwa, R. Garg, F. Liu, and T. Xue
06.2020 CVPR	**Softmax Splatting for Video Frame Interpolation** Simon Niklaus, and Feng Liu
11.2019 TOG	**3D Ken Burns Effect from a Single Image** Simon Niklaus, Long Mai, Jimei Yang, and Feng Liu
06.2018 CVPR	**Context-aware Synthesis for Video Frame Interpolation** Simon Niklaus, and Feng Liu
10.2017 ICCV	**Video Frame Interpolation via Adaptive Separable Convolution** Simon Niklaus, Long Mai, and Feng Liu
07.2017 CVPR	**Video Frame Interpolation via Adaptive Convolution** Simon Niklaus, Long Mai, and Feng Liu

Academic Record

09.2015 - 03.2020 Doctor of Philosophy Computer Science	**Portland State University** with a 4.0 GPA	
	Adviser	Feng Liu
	Thesis	*Novel View Synthesis in Time and Space*
	Instructor	CS 510 - Intro to Visual Computing CS 542 - Advanced Artificial Intelligence CS 565 - Full Stack Web Development
	Google Summer of Code	2017 - Organization Admin for Portland State University 2016 - Student Mentor for Portland State University
03.2014 - 03.2015 Master of Science Computer Science	**Portland State University** with a 4.0 GPA	
	Adviser	Bart Massey
	Teaching Assistant	CS 684 - Algorithm Design and Analysis CS 399 - Special Studies / New Beginnings CS 201 - Computer Systems Programming
03.2013 - 03.2016 Master of Science Information Systems	**University of Applied Sciences Würzburg** with a 4.0 GPA	
	Adviser	Frank Deinzer
	Thesis	*Image Fusion for Novel View Synthesis*
10.2009 - 03.2013 Bachelor of Engineering Computer Science	**University of Applied Sciences Würzburg** with a 4.0 GPA	
	Adviser	Eberhard Grötsch
	Thesis	*Debugging Tools for Embedded Multiprocessor Systems*
	Junior Assistant	CS 17 - Introduction to Databases CS 12 - Languages and Compiler Design CS 10 - Algorithms and Data Structures CS 06 - Introduction to Computer Science

Honors and Awards

09.2018 - 09.2019 Fellowship - 27000 Dollar	**Maseeh Fellowship** at PSU *Awarded to outstanding graduate students in the college.*
09.2017 - 09.2018 Award - 7500 Dollar	**Laurels Graduate Award** at PSU *An award to competitively selected, academically meritorious graduate students.*
03.2011 - 03.2015 Fellowship - 14400 Euro	**Deutschlandstipendium** at FHWS *A monthly financial support to high achieving students based on academic merit.*

Community Service

09.2007 - 03.2014 Volunteering	**Lifeguard at the Wasserwacht** in Schweinfurt *A voluntary lifeguard service that is part of the German Red Cross.*