

Work Experience

05.2025 - Present Staff Research Scientist	Google DeepMind in Washington (Remote) <i>Working on GenAI data at Google DeepMind.</i>
12.2019 - 05.2025 Senior Research Scientist	Adobe in Washington (Remote) <i>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, shipped Optical Flow Estimation and Sky Segmentation in Indigo, demoed Clean Machine and Project Inbetween and Moving Stills at the MAX conference.</i>
07.2019 - 11.2019 Research Intern	Google in Mountain View <i>Created a prototype that uses dual views for effective reflection removal.</i>
03.2018 - 06.2019 Research Intern	Adobe in San Jose <i>Created the Moving Stills prototype to synthesize the 3D Ken Burns effect.</i>
10.2012 - 03.2013 Engineering Intern	Fresenius in Schweinfurt <i>Created a monitoring and analysis tool for debugging embedded multiprocessor systems.</i>
09.2011 - 02.2012 Engineering Intern	Fraunhofer in Nürnberg <i>Created a monitoring tool for Android and iOS to analyze embedded environments.</i>

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

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

Community Service

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