## Publications

01.2023 WACV	Splatting-based Synthesis for Video Frame Interpolation Simon Niklaus, Ping Hu, and Jiawen Chen IEEE Winter Conference on Applications of Computer Vision
01.2021 WACV	Revisiting Adaptive Convolutions for Video Frame Interpolation Simon Niklaus, Long Mai, and Oliver Wang IEEE Winter Conference on Applications of Computer Vision
01.2021 WACV	Learned Dual-View Reflection Removal S. Niklaus, X. Zhang, J. T. Barron, N. Wadhwa, R. Garg, F. Liu, and T. Xue IEEE Winter Conference on Applications of Computer Vision
06.2020 CVPR	Softmax Splatting for Video Frame Interpolation Simon Niklaus, and Feng Liu IEEE Conference on Computer Vision and Pattern Recognition
11.2019 TOG	3D Ken Burns Effect from a Single Image Simon Niklaus, Long Mai, Jimei Yang, and Feng Liu ACM Transactions on Graphics
06.2018 CVPR	Context-aware Synthesis for Video Frame Interpolation Simon Niklaus, and Feng Liu  IEEE Conference on Computer Vision and Pattern Recognition
10.2017 ICCV	Video Frame Interpolation via Adaptive Separable Convolution Simon Niklaus, Long Mai, and Feng Liu IEEE International Conference on Computer Vision
07.2017 CVPR	Video Frame Interpolation via Adaptive Convolution Simon Niklaus, Long Mai, and Feng Liu IEEE Conference on Computer Vision and Pattern Recognition

## Work Experience

12.2019 - Present Research Scientist	Adobe in San Jose  Investigating new algorithms related to novel view synthesis using deep learning.
07.2019 - 11.2019 Research Intern	Google in Mountain View  Investigated the use of dual views for learning-based reflection removal.
03.2018 - 06.2019 Research Intern	Adobe in San Jose  Created the first Moving Stills prototype to synthesize the 3D Ken Burns effect.
10.2012 - 03.2013 Software Engineering Intern	Fresenius in Schweinfurt  Created a monitoring and analysis tool for debugging embedded multiprocessor systems.
09.2011 - 02.2012 Software Engineering Intern	Fraunhofer in Nürnberg  Created a monitoring tool for Android and iOS to analyze embedded environments.

#### Academic Record

09.2015 - 03.2020	Portland State U	University with a 4.0 GPA
Doctor of Philosophy Computer Science	${f Adviser}$	Feng Liu
Computer Science	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 Sum-	2017 - Organization Admin for Portland State University
	mer of Code	2016 - Student Mentor for Portland State University
03.2014 - 03.2015	Portland State U	University with a 4.0 GPA
Master of Science Computer Science	${f Adviser}$	Bart Massey
	Teaching	CS 684 - Algorithm Design and Analysis
	Assistant	CS 399 - Special Studies / New Beginnings
		CS 201 - Computer Systems Programming
03.2013 - 03.2016	University of Ap	oplied Sciences Würzburg with a 4.0 GPA
Master of Science Information Systems	${f Adviser}$	Frank Deinzer
information Systems	Thesis	Image Fusion for Novel View Synthesis
10.2009 - 03.2013	University of Ap	oplied Sciences Würzburg with a 4.0 GPA
Bachelor of Engineering Computer Science	${f Adviser}$	Eberhard Grötsch
compared science	Thesis	$Debugging\ Tools\ for\ Embedded\ Multiprocessor\ Systems$
		CS 17 - Introduction to Databases
	Junior	CS 12 - Languages and Compiler Design
	Assistant	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.
07.2017 Award - 400 Dollar	Marie Brown Travel Award at PSU  A travel stipend to recognize outstanding work of graduate degree students.
03.2011 - 03.2015 Fellowship - 14400 Euro	Deutschlandstipendium at FHWS  A monthly financial support to high achieving students based on academic merit.
03.2013 Award - 600 Euro	Wolfgang Maria Fischer Award at FHWS  A monetary honor awarded to the best graduates in computer science.

# Community Service

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09.2007 - 03.2014	Lifeguard at the Wasserwacht in Schweinfurt
Volunteering	$\label{eq:angle_equation} A\ voluntary\ lifeguard\ service\ that\ is\ part\ of\ the\ German\ Red\ Cross.$