

Aleksander Holynski

Curriculum Vitae

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EDUCATION	University of Washington, Seattle, WA Ph.D. in Computer Science and Engineering Advisors: <i>Steve Seitz, Richard Szeliski, Brian Curless</i> Research Areas: <i>Computer Vision, Computer Graphics, Augmented/Virtual Reality</i> University of Illinois at Urbana-Champaign, Urbana, IL B.S. in Computer Science with High Honors Advisors: <i>Robin Kravets, Svetlana Lazebnik</i>	expected 2021 2011 - 2014
PUBLICATIONS	Reducing Drift in Structure from Motion using Extended Features ² <i>Aleksander Holynski, David Geraghty, Jan-Michael Frahm, Chris Sweeney, Richard Szeliski</i> Seeing the World in a Bag of Chips <i>Jeong Joon Park, Aleksander Holynski, Steve Seitz</i> Fast Depth Densification for Occlusion-aware Augmented Reality ¹ <i>Aleksander Holynski, Johannes Kopf</i> Structure from Motion for Panorama-Style Videos <i>Chris Sweeney, Aleksander Holynski, Brian Curless, Steve Seitz</i> Automated Worker Activity Analysis in Indoor Environments for Direct-Work Rate Improvement from long sequences of RGBD Images <i>Ardalan Khosroutpour, Igor Fedorov, Aleksander Holynski, Juan Carlos Niebles, Mani Golparvar-Fard</i>	3DV 2020 Oral CVPR 2020 Oral SIGGRAPH Asia 2018 arXiv 2018 CRC 2014
INTERNSHIPS	Facebook: Computational Photography with <i>Rick Szeliski</i> See Publications [2] Facebook: Computational Photography with <i>Johannes Kopf</i> See Publications [1] Google: Virtual Reality with <i>Carlos Hernandez Esteban</i> Real-time stitching and live streaming of Google VR180 content to YouTube. Qualcomm Research & Development , San Diego, CA Efficient approximations of image processing algorithms for mobile phones. Qualcomm Innovation Center , San Diego, CA Internal tools for the analysis of DSP performance on mobile phones. Qualcomm Inc. , San Diego, CA Optimization of camera sensor drivers and algorithms for auto-focus & auto-white balance.	2018 2017 2016 2014 2013 2012
SCHOLARSHIPS & HONORS	University of Washington Reality Lab Fellowship Runner-up, Pacific Northwest ACM ICPC Leach/Winokur Endowed Fellowship in Computer Science & Engineering Achievement Rewards for College Scientists (ARCS) Fellowship University of Illinois Edmund J. James Scholar University of Illinois College of Engineering Dean's List	2018- 2014 2014 - 2015 2014 - 2016 2011 - 2014 2011 - 2014
TEACHING	Guest Lecturer & Teaching Assistant, CSE576 Computer Vision, University of Washington Teaching Assistant, CSE481V AR/VR Capstone, University of Washington Teaching Assistant, CS398 Computer Architecture, University of Illinois Teaching Assistant, CS125 Intro. to Computer Science, University of Illinois	2020 2019 2013-2014 2012
ACADEMIC SERVICE	Reviewer, SIGGRAPH, SIGGRAPH Asia, Transactions on Graphics (TOG) Reviewer, Transactions on Visualization and Computer Graphics (TVCG)	2017-2019 2020
APPOINTMENTS	Research Advisory Board, Tooploox AI	2018-
ETC	Languages: English (fluent, technical), Spanish (fluent, technical), Farsi (fluent), French (conversational), Polish (conversational) Programming: C/C++, Python, OpenGL, PyTorch Projects: Holoscanner: Gamified 3D Scanning (link)	