

Youngjoong Kwon

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Research Interests	Human Digitization, Human Performance Capture, Avatar Modeling, Neural Rendering	
Research Experiences	Carnegie Mellon University, Robotics Institute <i>Postdoctoral Fellow</i> <i>Advisor: Prof. Fernando De la Torre</i>	July. 2023 – Present Pennsylvania, United States
	Max Planck Institute for Informatics, VCAI <i>Research Intern</i> <i>Mentors: Dr. Marc Habermann, Prof. Lingjie Liu, Prof. Christian Theobalt</i>	May. 2022 – Aug. 2022 Saarbrücken, Germany
	Adobe Research, Real-time Algorithms Lab <i>Research Intern</i> <i>Mentors: Dr. Stefano Petrangeli, Dr. Haoliang Wang, Dr. Vishy Swaminathan</i>	June. 2019 – Nov. 2020 California, United States
Education	University of North Carolina at Chapel Hill <i>Ph.D. Student</i> <i>Advisor: Prof. Henry Fuchs</i>	Aug. 2018 – Dec. 2023 North Carolina, United States
	University of North Carolina at Chapel Hill <i>M.S. Science</i> <i>Advisor: Prof. Henry Fuchs</i>	April. 2020 North Carolina, United States
	Yonsei University <i>B.S. Engineering</i> <i>Major: Computer Science and Engineering</i> <i>Transferred from Ewha Womans University (Mar. 2012 – Feb. 2015)</i>	Mar. 2015 – Aug. 2017 Seoul, South Korea
Publications	Shengze Wang, Ziheng Wang, Ryan Schmelzle, Liuji Zheng, YoungJoong Kwon , Soumyadip Sengupta, Henry Fuchs Bringing Telepresence to Every Desk, Under Review TVCG 2024 [<i>paper</i>] [<i>project</i>]	
	Youngjoong Kwon , Lingjie Liu, Henry Fuchs, Marc Habermann, Christian Theobalt DELIFAS: Deformable Light Fields for Fast Avatar Synthesis, In NeurIPS 2023 [<i>paper</i>] [<i>project</i>]	
	Youngjoong Kwon , Dahun Kim, Duygu Ceylan Henry Fuchs, Neural Image-based Avatars: Generalizable Radiance Fields for Human Avatar Modeling, In ICLR 2023 [<i>paper</i>] [<i>project</i>]	
	Youngjoong Kwon , Stefano Petrangeli, Dahun Kim, Haoliang Wang, Viswanathan Swaminathan, Henry Fuchs, Tailor Me: An Editing Network for Fashion Attribute Shape Manipulation, In WACV 2022 [<i>paper</i>]	

Youngjoong Kwon, Dahun Kim, Duygu Ceylan Henry Fuchs,
Neural Human Performer: Learning Generalizable Radiance Fields for Human
Performance Rendering,
In **NeurIPS 2021 (Spotlight)** (Acceptance: < 3.0%) [*paper*] [*project*]

Youngjoong Kwon, Stefano Petrangeli, Dahun Kim, Haoliang Wang, Henry
Fuchs, Viswanathan Swaminathan,
Rotationally-Consistent Novel View Synthesis for Humans,
In **ACM MM 2020** [*paper*]

Youngjoong Kwon, Stefano Petrangeli, Dahun Kim, Haoliang Wang, Eunbyung
Park, Viswanathan Swaminathan, Henry Fuchs,
Rotationally-Temporally Consistent Novel View Synthesis of Human Performance
Video,
In **ECCV 2020 (Spotlight)** (Acceptance: 265/5025 \approx 5.3%) [*paper*] [*data*]

Young-Joong Kwon, Dae-Yong Kim, In-Kwon Lee,
Real-time Animation of Rain-wet Cloth Material,
In **CASA 2017** [*paper*]

Talk	Modeling Efficient Representation for Human Digitization with Affordable Setup Stanford University <i>hosted by Prof. Gordon Wetzstein</i>	2023
	Learning to Create Digital Humans Max Planck Institute for Intelligent Systems <i>hosted by Yuliang Xiu</i>	2022
	Learning to Create Digital Humans The University of British Columbia <i>hosted by Prof. Helge Rhodin</i>	2022
Reviewer	CVPR, ECCV, ICCV, TOG, SIGGRAPH ASIA, NeurIPS, ICML, 3DV, VR, ICLRW	