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Taesung Park

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Education

UC Berkeley | Berkeley, CA 2016-May 2021(expected)

Ph.D. in Computer Science. Advisor: Alexei Efros
Research in Computer Vision and Unsupervised Learning

Stanford University | Stanford, CA 2007-2013

Master of Science, Department of Computer Science
Dual Concentration in Real-World Computing and Artificial Intelligence
Distinction in Research, GPA 4.0

Bachelor of Science, Department of Mathematics
Graduated with Distinction, Major GPA 4.0

Research Paper, Reports, and Posters

Taesung Park, Jun-Yan Zhu, Oliver Wang, Jingwan Lu, Eli Shechtman, Alexei Efros, Richard Zhang. “Swapping Autoencoder for Deep Image Manipulation”, Neural Information Processing Systems (NeurIPS), 2020

Taesung Park, Jun-Yan Zhu, Richard Zhang, Alexei Efros. “Contrastive Learning for Conditional Image Generation”, European Conference on Computer Vision *(ECCV)*, 2020

Taesung Park, Ming-Yu Liu, Ting-Chun Wang, and Jun-Yan Zhu. “Semantic Image Synthesis with Spatially-Adaptive Normalization”, *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2019. (CVPR Best Paper Finalist, SIGGRAPH RTL Best Demo and People’s Choice Award, 100 Greatest Innovations of 2019 by Popular Science)

Judy Hoffman, Eric Tzeng, **Taesung Park**, Jun-Yan Zhu, Phillip Isola, Kate Saenko, Alexei Efros, Trevor Darrell, “CyCADA: Cycle-Consistent Adversarial Domain Adaptation”, *International Conference on Machine Learning (ICML)*, 2018

Jun-Yan Zhu*, **Taesung Park***, Phillip Isola, and Alexei A. Efros. "Unpaired Image-to-Image Translation using Cycle-Consistent Adversarial Networks", *IEEE International Conference on Computer Vision (ICCV)*, 2017. (* indicates equal contributions)

Taesung Park, Sergey Levine. Inverse Optimal Control for Humanoid Locomotion. *Robotics Science and Systems (RSS) Workshop on Inverse Optimal Control & Robotic Learning from Demonstration.* 2013.

Taesung Park. Automatic 3D Character Animation Using Inverse Reinforcement Learning. *Master’s thesis, Stanford University Department of Computer Science.* 2013

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Employment

Adobe, Research Intern | San Francisco, CA 2019-2020
Image Manipulation and Synthesis by Learning Disentangled Latent Space

NVIDIA, Research Intern | Santa Clara, CA 2018
Semantic Image Synthesis using Generative Adversarial Network.
Featured at GTC 2019. SIGGRAPH'19 RTL Best Demo and People's Choice Award

TmaxSoft, Junior Researcher | Seongnam, South Korea 2013-2016
Leader of the GUI Framework Development Team for a new OS on Unix environment
Fulfills the South Korean Military Service duty

Stanford MS Student Research with Prof. Vladlen Koltun | Stanford, CA 2012-2013
Research in humanoid locomotion using machine learning
Focus in autonomous control, reinforcement learning and inverse optimal control

Microsoft, SDE Intern | Redmond, WA 2011
Development of a new asset classification scheme using machine learning
Given a full-time job offer at the end of the internship

Stanford Undergrad Student Research with Prof. Marc Levoy | Stanford, CA Summer 2010
Research on synthetic panning shots in computational photography

Teaching & Services

Organizer, ICCV Workshop on Image and Video Synthesis | Seoul, Korea 2019
Organized a full day workshop on image and video synthesis

Graduate Student Instructor, CS194-26 | Berkeley, CA 2018
Head TA for Computational Photography.

Organizer, Tutorial on GANs at CVPR 2018 | Salt Lake City, UT 2018
Organized a full day tutorial session on GANs.

Graduate Student Instructor, CS188 | Berkeley, CA 2017
TA for Introduction to Artificial Intelligence.

Awards and Honors

Adobe Research Fellowship 2020

Samsung Scholarship, $50,000 per academic school year 2016-2020 (Ph.D)

Samsung Scholarship, $50,000 per academic school year 2011-2013

Tau Beta Pi Engineering Honor Society Member 2011-present

National Presidential Scholarship, South Korea, $50,000 per academic school year 2007-2011