

Rameen Abdal

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📧 RameenAbdal

Education

King Abdullah University of Science and Technology (KAUST)

PHD COMPUTER SCIENCE (GPA: 4.00/4.00)

Thuwal, Saudi Arabia

May 2020 - Present

King Abdullah University of Science and Technology (KAUST)

MS COMPUTER SCIENCE (GPA: 3.92/4.00)

Thuwal, Saudi Arabia

Sept. 2018 - May 2020

National Institute of Technology (NIT) Srinagar

B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING (CGPA : 9.137/10 | OVERALL RANK: 2ND)

Srinagar, India

Aug. 2014 - June 2018

Publications

- Rameen Abdal, Peihao Zhu, Niloy Mitra, Peter Wonka
“Video2StyleGAN: Disentangling Local and Global Variations in a Video” arXiv 2022 [\[Paper\]](#)
- Peihao Zhu, Rameen Abdal, John Femiani, Peter Wonka
“HairNet: Hairstyle Transfer with Pose Changes”
ECCV 2022 [\[Video\]](#)
- Rameen Abdal, Peihao Zhu, John Femiani, Niloy Mitra, Peter Wonka
“CLIP2StyleGAN: Unsupervised Extraction of StyleGAN Edit Directions”
ACM SIGGRAPH 2022 [\[Paper\]](#)
- Peihao Zhu, Rameen Abdal, John Femiani, Peter Wonka
“Mind the Gap: Domain Gap Control for Single Shot Domain Adaptation for Generative Adversarial Networks”
ICLR 2022 [\[Paper\]](#) [\[Video\]](#)
- Peihao Zhu, Rameen Abdal, John Femiani, Peter Wonka
“Barbershop: GAN-based Image Compositing using Segmentation Masks”
ACM SIGGRAPH Asia 2021 [\[Paper\]](#) [\[Video\]](#)
- Rameen Abdal, Peihao Zhu, Niloy Mitra, Peter Wonka
“Labels4Free: Unsupervised Segmentation using StyleGAN”
IEEE/CVF ICCV 2021 [\[Paper\]](#)
- Peihao Zhu, Rameen Abdal, John Femiani, Yipeng Qin, Peter Wonka
“Improved StyleGAN Embedding: Where are the Good Latents?” arXiv 2020 [\[Paper\]](#)
- Rameen Abdal, Peihao Zhu, Niloy Mitra, Peter Wonka
“StyleFlow: Attribute-conditioned Exploration of StyleGAN-Generated Images using Conditional Continuous Normalizing Flows”
ACM Transactions on Graphics (TOG) (ACM SIGGRAPH 2021) [\[Paper\]](#) [\[Video\]](#) [\[Media Attention\]](#)
- Rameen Abdal, Yipeng Qin, Peter Wonka
“Image2StyleGAN++: How to Edit the Embedded Images?”
IEEE/CVF CVPR 2020. [\[Paper\]](#) [\[Video\]](#)
- Peihao Zhu, Rameen Abdal, Yipeng Qin, Peter Wonka
“SEAN: Image Synthesis with Semantic Region-Adaptive Normalization”
IEEE/CVF CVPR 2020 [Oral (top 5.7% of the total submissions)]. [\[Paper\]](#) [\[Video\]](#)
- Rameen Abdal, Yipeng Qin, Peter Wonka
“Image2StyleGAN: How to Embed Images Into the StyleGAN Latent Space?”
IEEE/CVF ICCV 2019 [Oral (top 4.3% of the total submissions)]. [\[Paper\]](#) [\[Oral Video\]](#)

Relevant Experience

Snap Inc.

RESEARCH INTERN

- Ongoing

Los Angeles, USA

June 2022 - present

Adobe Research

REMOTE COLLABORATOR

- Developed [StyleFlow](#), a state-of-the-art image editing software based on StyleGAN.

London, UK

March 2020 - May 2022

Indian Institute Of Science (IISc) Bangalore

COMPUTER VISION RESEARCH INTERN

- Worked on deep learning based semantic segmentation model for UAV imagery.

Bangalore, India

Nov. 2016 - Feb. 2017

Patents and Deployments

- **US Patent (US 16934858): "ATTRIBUTE CONDITIONED IMAGE GENERATION".**

Inventors : Niloy Mitra, Peter Wonka, Rameen Abdal, Piehao Zhu

Talks

Rising Stars in AI Symposium (organized by Jurgen Schmidhuber)

EXTRACTING SEMANTICS, GEOMETRY, AND APPEARANCE USING GANS

KAUST, Saudi Arabia

March, 2022

Adobe Research

EXTRACTING SEMANTICS, GEOMETRY, AND APPEARANCE USING STYLEGAN

San Jose, USA (Remote)

Feb. 2022

Achievements

Finalist

KAUST CHALLENGE - SHAPING THE FUTURE OF MEDIA

KAUST

August 2021

- Our idea '**High-Quality Image Editing for Content Creation**' was selected as **top 15** among **650+** applications submitted from **37 countries** across the globe.

Winner

KAUST RESEARCH EXCELLENCE AWARD

KAUST

November 2021

- I received the CEMSE Research Excellence Award 2021 for high quality research output.

Winner

KAUST CEMSE DEAN'S LIST AWARD

KAUST

June 2022

- I received CEMSE Dean's List Award for academic year 21/22.

Position of Responsibility

Resident Assistant

COMMUNITY LIFE

KAUST

May 2020 - Present

Mentor

AI ARTATHON

Riyadh

March 2020

Teaching Assistant

DEEP LEARNING FOR VISUAL COMPUTING (CS 390DD/ CS 323)

KAUST

Fall 2019, 2020, 2021

Reviewer

TVCG / CVPR 21-22 / ICCV 21 / ECCV 22 / TPAMI / SIGGRAPH 21-22

KAUST

2020, 2021, 2022