

Naofumi Akimoto

Ph.D. Student / Research Engineer

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Education

Ph.D. Student, Keio Univ.

April 2020 – present

M.S. in Engineering, Keio Univ.

April 2018 – March 2020

Thesis: “360-degree Image Completion by Conditional GANs”

B.E., Keio Univ.

April 2014 – March 2018

Thesis: “Simultaneous Execution of Color Adjustment and Image Completion by Generative Adversarial Network”

Work Experience

Research Engineer, R&D Center of Sony Group Corporation (SONY)

April 2020 – present

Research Assistant, National Institute of Advanced Industrial Science and Technology (AIST)

May 2018 – January 2020

A paper has been accepted at SIGGPARRH Asia 2018 Posters.

Research Intern, Preferred Networks (PFN)

October 2019 – September 2019

A paper has been accepted at CVRP2020.

Publication (representative)

Naofumi Akimoto, Yuhi Matsuo, Yoshimitsu Aoki “Diverse Plausible 360-Degree Image Outpainting for Efficient 3DCG Background Creation” in *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2022.

Naofumi Akimoto, Huachun Zhu, Yanghua Jin, Yoshimitsu Aoki, “Fast Soft Color Segmentation” in *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020.

Naofumi Akimoto, Seito Kasai, Masaki Hayashi, Yoshimitsu Aoki, “360-DEGREE IMAGE COMPLETION BY TWO-STAGE CONDITIONAL GANS” in *IEEE International Conference of Image Processing (ICIP)*, 2019

Naofumi Akimoto, Hirokatsu Kataoka, Yoshimitsu Aoki, “Generating Effect Animation with Conditional GANs” in *ACM SIGGPARRH Asia Posters*, 2018.

Skills

Python, C++, Photoshop, Premier Pro, After Effects, Unreal Engine, Blender

Scholarship and Awards

Keio Kogakukai, Fujiwara, KLL, IEIEC Electronics Society Award for Outstanding Student