

Sungeun Kim

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Summary

Hello! I am a Ph.D student in CSE at Seoul National University. I am advised by Prof. Gunhee Kim.

My research interest is in the field of Computer Vision, especially about face image generation.

Education

Seoul National University

PH.D. STUDENT IN COMPUTER SCIENCE AND ENGINEERING

- Advisor: Prof. Gunhee Kim

Seoul, S.Korea

2019.09 - Current

Seoul National University

M.S. IN COMPUTER SCIENCE AND ENGINEERING

- Advisor: Prof. Jehhee Lee
- M.S.thesis : Intuitive user interface for editing motion data

Seoul, S.Korea

2008.09 - 2010.08

POSTECH(Pohang University of Science and Technology)

B.S. IN COMPUTER SCIENCE AND ENGINEERING

- Advisor: Prof. SeungYang Bang

Pohang, S.Korea

2004.03 - 2008.08

Work Experience

Samsung Display

STAFF ENGINEER

- Developed machine vision software using deep learning algorithms for defect verification.(using C#, Python)
- Developed a one-flow correction software for OPC(Optical Proximity Correction) process (using Python, Proteus LRC)

Gyeonggi, S.Korea

2012.04 - 2019.08

Samsung Electronics

ENGINEER

- Developed software for the automation and verification of LCD panel designs (using Cadence SKILL language)
- Developed offline software training for designers and produced online tutorial lectures.

Gyeonggi, S.Korea

2010.08 - 2012.03

Research project Experience

3D object generation and animating

LEAD RESEARCHER, PH.D STUDENT

- Reading 3D-Based Talking Head Model generation project which creates a video that can freely change facial expressions and poses using Nerf from a single face image (using Python)

SNU

2022.01 - 2022.12

GAN Image Editing SW Development

RESEARCHER, PH.D STUDENT

- Participated in a project to change the existing background to the desired style in Selfie (using Python)

SNU

2021.07 - 2022.12

DeepGuider

RESEARCHER, PH.D STUDENT

- Participated in the development of systems where robots sense the environment in the city and guide it to its destination without prior mapping to the environment
- Developed OCR detection module for Korean sign recognition (using Python)

SNU

2020.01 - 2020.12

Publications

Contextual Label Transformation For Scene Graph Generation

WONHEE LEE, SUNGEUN KIM AND GUNHEE KIM

ICIP

2021

Data-driven biped control

YOONSANG LEE, SUNGEUN KIM AND JEHEE LEE

SIGGRAPH

2010

Teaching Experience

G100021347 Probabilistic Graphical Model

TEACHING ASSISTANT

SNU
spring 2022

M2177.004900 Theory and Lab of IoT, AI, and Big Data

TEACHING ASSISTANT

SNU
spring 2021

- Awarded the Outstanding Assistant Instructor Award for the Applied Science Small Teacher Program in 2021-1

M1522.001000 Computer Vision

TEACHING ASSISTANT

SNU
Fall 2020

M1522.001300 Probabilistic Graphical Model

TEACHING ASSISTANT

SNU
Spring 2020

4190.10 Computer Graphics

TEACHING ASSISTANT

SNU
Fall 2008