

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

Gyeonggi, S.Korea

2012.04 - 2019.08

### Samsung Electronics

ENGINEER

- Developed a LCD panel design automation and verification software (using Cadence SKILL language)
- Developed a SW offline training for designers and production of 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

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### **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