INBUM PARK

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RESEARCH INTERESTS

3D Computer Vision, Computational Imaging, Computer Graphics

EDUCATION

University of Michigan   Aug. 2023 ~ Present
   M.S. in Electrical and Computer Engineering, Specialization: Computer Vision

Seoul National University (SNU)   Mar. 2017 ~ Aug. 2023
   B.S. in Electrical and Computer Engineering

PUBLICATIONS

On the Robustness of Normalizing Flows for Inverse Problems in Imaging
   Seongmin Hong, **Inbum Park**, Se Young Chun.
   International Conference on Computer Vision (ICCV), 2023.

Text2PointCloud: Text-Driven Stylization for Sparse PointCloud
   Inwoo Hwang, Hyeonwoo Kim, Donggeun Lim, **Inbum Park**, Youngmin Kim.
   Eurographics (Short Papers), 2023.

Probabilistic Implicit Scene Completion
   Dongsu Zhang, Changwoon Choi, **Inbum Park**, Youngmin Kim.
   International Conference on Learning Representations (ICLR), 2022 (Spotlight).

WORK EXPERIENCES

SNU Intelligent Motion Lab   Jan. 2023 ~ May. 2023
   Research intern, Advised by Prof. Jungdam Won
   • Applied 3D pose reconstruction to a video of a patient to perform gait analysis.

SNU Intelligent Computational imaging Lab   Jul. 2022 ~ Dec. 2022
   Research intern, Advised by Prof. Se Young Chun
   • Conducted a study on erroneous images occasionally generated from flow-based models
     for inverse problems in imaging.

Video Display department of Samsung Electronics   Jul. 2021 ~ Aug. 2021
Research intern
- Implemented photorealistic style transfer to detect abnormalities in constantly changing TV screens.

SNU 3D Vision Lab   Feb. 2021 ~ Sep. 2021
Research intern, Advised by Prof. Young Min Kim
- Conducted experiment on a probabilistic approach to shape completion and scene reconstruction using 3D implicit representations.

SNU Communications and Machine Learning Lab   Dec. 2020 ~ Feb. 2021
Research intern, Advised by Prof. Jungwoo Lee
- Reviewed the recent trends of Visual Question Answering (VQA).

Seocho Police Station   Jan. 2019 ~ Nov. 2020
Service of Social Work Personnel (Korean Army)

TEACHING EXPERIENCE

SNU Peer Tutoring for Specific Subject   Sep. 2022 ~ Dec. 2022
Introduction to Data Structures Tutor

SCHOLARSHIPS

Merit-based Scholarship   Spring 2018, Spring 2019
Seoul National University (SNU)   Spring 2022, Fall 2022

Alumni Scholarship   Spring 2017, Fall 2017
Bugil High School   Spring 2018, Fall 2018
                                                              Spring 2019, Fall 2021
                                                              Spring 2022, Fall 2022

EXTRACURRICULAR ACTIVITIES

SNU Tennis Club Impact   Mar. 2022 ~ Dec. 2022

SNU Tomorrow's Edge Membership   Sep. 2021 ~ Feb. 2023
An executive member in 2022

SNU Rocket Club HANARO   Sep. 2018 ~ Jul. 2019
Coding on Raspberry Pi

SNU Choreography Dance Club HONDDONI   Mar. 2017 ~ Dec. 2019
An executive member in 2018   Aug. 2022 ~ Aug. 2023

COMPUTER SKILLS

Programming Languages
Python, C, C++, Matlab

Visualization Tools
CloudCompare, MeshLab, Blender, Mitsuba Renderer

LANGUAGE SKILLS

English (fluent)
GRE General Test; Verbal 164 / Quant 170 / Writing 5.0
TOEFL IBT; Reading 29 / Listening 28 / Writing 27 / Speaking 26

Chinese (conversational)
HSK 4級 Achieved

Italian (conversational)