# Chunghyun Park

p0125ch@postech.ac.kr　　●　　LinkedIn (Chunghyun Park)　　●　　GitHub (chrockey)　　●　　chrockey.github.io

## RESEARCH INTERESTS

3D Perception, 3D Reconstruction, and Geometric Deep Learning

## EDUCATION

**Ph.D. in Artificial Intelligence**　　　　　　　　　　　　　　　　　　　　　　March 2022 - Present
POSTECH (Advisor: Prof. Minsu Cho)　　　　　　　　　　　　　　　　　　Pohang, Republic of Korea
**M.S. in Artificial Intelligence**　　　　　　　　　　　　　　　　　　　　　　March 2020 - Feb. 2022
POSTECH (Advisor: Prof. Jaesik Park)　　　　　　　　　　　　　　　　　Pohang, Republic of Korea
*Thesis: Fast Point Transformer for Large-scale 3D Scene Understanding*

**B.S. in Mechanical Engineering**　　　　　　　　　　　　　　　　　　　　　March 2014 - Feb. 2019
POSTECH　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Pohang, Republic of Korea

## INDUSTRIAL EXPERIENCE

**Research Intern** | *NVIDIA Research Taiwan (Remote)*　　　　　　　　　　Dec. 2023 - Present
- Mentor: Jaesung Choe

## PUBLICATIONS

All publications are available in Google Scholar.

[1] **Chunghyun Park**\*, Seungwook Kim\*, Jaesik Park, and Minsu Cho (\*equal contribution)

    *Learning SO(3)-Invariant Semantic Correspondence via Local Shape Transform*

    IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2024

[2] Seungwook Kim\*, **Chunghyun Park**\*, Yoonwoo Jeong, Jaesik Park, and Minsu Cho (\*equal contribution)

    *Stable and Consistent Prediction of 3D Characteristic Orientation via Invariant Residual Learning*

    International Conference on Machine Learning (**ICML**), 2023

[3] Seungwook Kim\*, Yoonwoo Jeong\*, **Chunghyun Park**\*, Jaesik Park, and Minsu Cho (\*equal contribution)

    *SeLCA: Self-Supervised Learning of Canonical Axis*

    NeurIPS Workshop on Symmetry and Geometry in Neural Representations (**NeurReps**), 2022

[4] Jaesung Choe\*, **Chunghyun Park**\*, Francois Rameau, Jaesik Park, and In So Kweon (\*equal contribution)

    *PointMixer: MLP-Mixer for Point Cloud Understanding*

    European Conference on Computer Vision (**ECCV**), 2022

[5] **Chunghyun Park**, Yoonwoo Jeong, Minsu Cho, and Jaesik Park

    *Fast Point Transformer*

    IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2022

[6] Hwang\*, Lee\*, **Chunghyun Park**, Tama, Kim, Cheung, Chung, Cho, Lee, Choi, and Lee (\*equal contribution)

    *Improved classification and localization approach to small bowel capsule endoscopy using convolutional neural network*

    Digestive Endoscopy, 2021 (Impact Factor: 7.559)

## ACADEMIC SERVICES

**Journal Reviewer:** TPAMI, IJCV

**Conference Reviewer:** ICLR, NeurIPS, ICCV, CVPR, ECCV

## HONORS & AWARDS

**Outstanding Reviewer** | *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*　　Jun. 2024
- Awarded to the top 2% among 9,872 reviewers.

**BK21 Best Paper Award (Grand Prize)** | *POSTECH Graduate School of Artificial Intelligence (GSAI)*　　Feb. 2023
- Awarded to the year's best paper of POSTECH GSAI.

**Qualcomm Innovation Fellowship Korea** | *Qualcomm Korea Corp.*　　　　　　　　　　　　　Nov. 2022

- Awarded to graduate students in South Korea who published one of the year's best 20 papers on AI.

**Samsung Humantech Paper Award (Silver Prize)** | *Samsung Electronics Co., Ltd.* Feb. 2022
- Awarded to the year's most prominent papers of South Korea in 10 fields.

## INVITED TALKS

**Spotlight Presentation** | *Korea AI Summit* Nov. 2023
- Stable and Consistent Prediction of 3D Characteristic Orientation via Invariant Residual Learning