

# Chunghyun Park

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## RESEARCH INTERESTS

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

## EDUCATION

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<b>Ph.D. in Artificial Intelligence</b>	March 2022 - Present
POSTECH (Advisor: Prof. Minsu Cho)	Pohang, Republic of Korea
<b>M.S. in Artificial Intelligence</b>	March 2020 - Feb. 2022
POSTECH (Advisor: Prof. Jaesik Park)	Pohang, Republic of Korea
<i>Thesis: Fast Point Transformer for Large-scale 3D Scene Understanding</i>	
<b>B.S. in Mechanical Engineering</b>	March 2014 - Feb. 2019
POSTECH	Pohang, Republic of Korea

## PUBLICATIONS

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All publications are available in Google Scholar.

- [1] 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
- [2] 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
- [3] 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
- [4] **Chunghyun Park**, Yoonwoo Jeong, Minsu Cho, and Jaesik Park  
*Fast Point Transformer*  
IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2022
- [5] 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

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**Journal Reviewer:** TPAMI (2023), IJCV (2023)

**Conference Reviewer:** ICLR (2024), NeurIPS (2023), ICCV (2023), CVPR (2022-2023), ECCV (2022)

## HONORS & AWARDS

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<b>BK21 Best Paper Award (Grand Prize)</b>   POSTECH Graduate School of Artificial Intelligence (GSAI)	Feb. 2023
• Awarded to the year's best paper of POSTECH GSAI.	
<b>Qualcomm Innovation Fellowship Korea</b>   Qualcomm Korea Corp.	Nov. 2022
• Awarded to graduate students in South Korea who published one of the year's best 20 papers on AI.	
<b>Samsung Humantech Paper Award (Silver Prize)</b>   Samsung Electronics Co., Ltd.	Feb. 2022
• Awarded to the year's most prominent papers of South Korea in 10 fields.	