






# Minjung Kim

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## Research Interests

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My research interests are in the field of 3D Place Recognition and Visual Localization, especially about (i) understanding the scene from images and point clouds, (ii) dealing with multi-modalities, and (iii) utilizing high-level semantic information for place recognition.

## Education

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Integrated M.S./Ph.D. Student in Computer Science and Engineering	Mar. 2018 -- Current
- Seoul National University, Seoul, South Korea	
- Adviser: Prof. Gunhee Kim (Vision and Learning Laboratory)	
B.S. in Computer Science and Engineering	Mar. 2014 -- Feb. 2018
- Sogang University, Seoul, South Korea	
- Cumulative GPA: 3.58 / 4.3 (3.88 / 4.5), Magna Cum Laude	

## Publications

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Drop-Bottleneck: Learning Discrete Compressed Representation for Noise-Robust Exploration	ICLR, 2021
Jaekyeom Kim, <b>Minjung Kim</b> , Dongyeon Woo, Gunhee Kim	
Memorization Precedes Generation: Learning Unsupervised GANs with Memory Networks	ICLR, 2018
Youngjin Kim, <b>Minjung Kim</b> , Gunhee Kim	

## Work and Research Experiences

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Teaching Assistant	KDB AI course	April. 2022 -- May. 2022
Teaching Assistant	LG AI core human resource training course	Feb. 2022
Teaching Assistant	Teaching assistant of Topics in Artificial Intelligence at Seoul National University	Sep. 2020 -- Dec. 2020
Teaching Assistant	Teaching assistant of IoT-Artificial Intelligence-Big Data (IAB) at Seoul National University	Sep. 2018 -- Jun. 2019
Teaching Assistant	Teaching assistant of Discrete Mathematics at Seoul National University	Mar. 2018 -- Jun. 2018
Research Intern	Vision and Learning Laboratory at Seoul National University	Jul. 2017 -- Feb. 2018
Research Intern	Biointelligence Laboratory at Seoul National University	Sep. 2016 -- Feb. 2017
Kit Developer	MakeWith (Startup)	Dec. 2016 -- Jan. 2017
- Arduino & Raspberry Pi		
Teaching Assistant	Teaching assistant of C & Python language and project design at Sogang University	Mar. 2016 -- Dec. 2018
Admission Test Supervisor	Sogang University	Feb. 2015 -- Feb. 2016

## Projects

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DeepGuider	Apr. 2019 -- Current
- To develop a navigation guidance system that enables robots to navigate in urban environment without the need of pre-mapping of the environment	
- This research project is funded by the government	

## Awards and Scholarship

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Samsung Humantech Paper Award - Samsung Electronics - Silver Prize in Signal Processing	Feb. 2021
KSC 2017 Paper Award - Korean Institute of Information Scientists and Engineers - Third Prize	Feb. 2018
Magna Cum Laude Honor at Sogang University	Feb. 2018
Grade Scholarship at Sogang University	Jul. 2017 -- Feb. 2018
The 10 <sup>th</sup> Grade, Windows 10 IoT Core & Microsoft Azure for Microsoft IoT Solution Competition	Apr. 2017
Internship Scholarship at Sogang University	Dec. 2016 -- Jan. 2017
Admission Test Work Scholarship at Sogang University	Nov. 2015 -- Nov. 2016

## Professional Activities

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Reviewer	NeurIPS, 2022
Reviewer	ICLR, 2022
Reviewer	NeurIPS, 2021