

# Yoonho Lee

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RESEARCH INTERSTS	<b>Machine Learning, Deep Learning</b> , with focus on meta-learning, generalization of deep networks, permutation-invariant networks, and probabilistic models.	
EDUCATION	<b>Pohang University of Science and Technology (POSTECH)</b>	Pohang, Korea
	M.S. in Computer Science (Advisor: Professor <i>Seungjin Choi</i> )	Sep 2016 – Aug 2018
	Thesis: <i>Gradient-Based Meta-Learning with Learned Layerwise Metric and Subspace</i>	
	<b>Pohang University of Science and Technology (POSTECH)</b>	Pohang, Korea
	B.S. in Mathematics	Mar 2012 – Aug 2016
PUBLICATIONS	<b>University of California, Berkeley</b>	CA, United States
	Exchange student, Mathematics department	Sep 2014 – May 2015
	<b>Sejong Science High School</b>	Seoul, Korea
	Specialized high school for talented students, early graduation (2 years)	Mar 2010 – Feb 2012
	<b>Conference Proceedings</b>	
	[8] Wonjae Kim and <b>Yoonho Lee</b> . “Learning Dynamics of Attention: Human Prior for Interpretable Machine Reasoning,” 33rd Conference on Neural Information Processing Systems ( <b>NeurIPS 2019</b> )	
	[7] Juho Lee, <b>Yoonho Lee</b> , Jungtaek Kim, Adam Kosiorek, Seungjin Choi, and Yee Whye Teh. “Set Transformer: A Framework for Attention-based Permutation-Invariant Neural Networks,” 36th International Conference on Machine Learning ( <b>ICML 2019</b> )	
	[6] <b>Yoonho Lee</b> and Seungjin Choi. “Gradient-Based Meta-Learning with Learned Layerwise Metric and Subspace,” 35th International Conference on Machine Learning ( <b>ICML 2018</b> )	
	<b>Workshop Proceedings</b>	
	[5] Juho Lee, <b>Yoonho Lee</b> , and Yee Whye Teh. “Deep Amortized Clustering,” Sets and Partitions Workshop @ NeurIPS 2019 ( <b>oral</b> )	
	<b>Preprints</b>	
	[4] <b>Yoonho Lee</b> , Juho Lee, Sung Ju Hwang, Eunho Yang, and Seungjin Choi “Neural Complexity Measures,” arXiv:2008.02953 ( <b>2020</b> )	
	[3] Juho Lee*, <b>Yoonho Lee*</b> , Jungtaek Kim, Eunho Yang, Sung Ju Hwang, and Yee Whye Teh “Bootstrapping Neural Processes,” arXiv:2008.02956 ( <b>2020</b> )	
	[2] Minkyoo Seo*, <b>Yoonho Lee*</b> , and Suha Kwak (*: equal contribution). “On the Distribution of Penultimate Activations of Classification Networks,” preprint ( <b>2019</b> )	
	[1] <b>Yoonho Lee</b> , Wonjae Kim, Wonpyo Park, and Seungjin Choi. “Discrete Infomax Codes for Supervised Representation Learning,” arXiv:1905.11656 ( <b>2019</b> )	
INDUSTRY EXPERIENCE	<b>Reserach Scientist, AITRICS</b>	Seoul, Korea
	Conducted research on meta-learning and probabilistic models.	Mar 2020 – Present
	<b>Reserach Scientist, Kakao Corp.</b>	Seongnam, Korea
	Conducted research on computer vision, meta-learning, and model interpretability.	Aug 2018 – Mar 2020
SCHOLARSHIPS	<b>Research Intern, Naver Corp.</b>	Seongnam, Korea
	Conducted research on optimizer learning.	Apr 2018 – Jun 2018
	Doctoral Study Fellowship, Korea Foundation for Advanced Studies (KFAS)	Fall 2021 –
	For graduate study abroad (\$250, 000).	
AWARDS	Korean Presidential Science Scholarship, Korea Student Aid Foundation	Mar 2012 – Feb 2016
	For undergraduate studies (full tuition + \$15, 000)	
	NeurIPS Top Reviewer award	2019
	ICML Travel Award (\$2, 500)	2018
	Silver Medal, Korea Mathematical Olympiad (KMO)	2010

Gold Medal, Junior Korea Mathematical Olympiad (JKMO)

2008

TEACHING  
EXPERIENCE

Teaching Assistant, Deep Learning Course, **POSCO Group**

Mar 2017 – Jun 2018

Teaching Assistant, AI Job Training Course, **POSTECH Institute of AI**

Mar 2017 – Jun 2017

Teaching Assistant, Business ML Course, **Samsung Electronics Device Solutions**

Sep 2017 – Dec 2017

Teaching Assistant, CSED101 (Programming and Problem Solving), **POSTECH**

Mar 2017 – Jun 2017

REVIEWING

Advances in Neural Information Processing Systems (NeurIPS): 2018-2020

International Conference on Machine Learning (ICML): 2019-2020

International Conference on Artificial Intelligence and Statistics (AISTATS): 2019-2020

International Conference on Learning Representation (ICLR): 2020

International Joint Conferences on Artificial Intelligence (IJCAI): 2019

Asian Conference on Machine Learning (ACML): 2019-2020

SKILLS

Programming languages: Python,  $\LaTeX$ , Matlab, C, C++

Frameworks: PyTorch, TensorFlow, NumPy, SciPy, Pandas, Seaborn

[compiled on 2020-09-08]