

JAY YOON LEE

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EDUCATION	CARNEGIE MELLON UNIVERSITY, (CSD) Ph.D. in Computer Science (GPA: 3.95 /4.3)	May.2013 – Present Advisor: Jaime Carbonell
	CARNEGIE MELLON UNIVERSITY, (LTI & LCCB) M.S. in Computer Science (GPA: 3.95 /4.3)	Sep.2011 – May.2013
	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY (KAIST) B.S. in Electrical Engineering, <i>summa cum laude</i>, 2008 (GPA: 3.94/4.3)	Mar.2003 – 2008
SCHOLARSHIPS & AWARDS	1. Scholarship in Science & Technology, Korea Student Foundation	Mar.2003 – Feb.2008
	2. Scholarship in Mathematics, Korea Foundation of Advanced Studies	Mar.2005 – Feb.2008
PUBLICATIONS	1. Jay-Yoon Lee* , KyungTae Lim*, Jaime Carbonell, Thierry Poibeau, <i>Semi-Supervised Learning on Meta Structure: Multi-Task Tagging and Parsing in Low-Resource Scenario</i> , AAAI 2020 , Feb 2020	
	2. Jay-Yoon Lee , Sanket Mehta, Michael Wick, Jean-Baptiste Tristan, Jaime Carbonell, <i>Gradient-based Inference for Networks with Output Constraints</i> , AAAI 2019 , Jan 2019	
	3. Jay-Yoon Lee* , Sanket Mehta*, Jaime Carbonell, <i>Towards Semi-Supervised Learning for Deep Semantic Role Labeling</i> , EMNLP 2018 , Oct 2018 (*: equal contribution)	
	4. Jay-Yoon Lee , Michael Wick, Jean-Baptiste Tristan, Jaime Carbonell, <i>Enforcing constraints on outputs with unconstrained inference</i> , NIPS workshop AKBC , Dec 2017	
	5. Jay-Yoon Lee* , Manzil Zaheer*, Stephan Günnemann, Alex Smola, <i>Preferential Attachment in Graphs with Affinities</i> , AISTATS 2015 , May 2015 (*: equal contribution)	
	6. U Kang, Jay-Yoon Lee , Danai Koutra and Christos Faloutsos, <i>Net-Ray: Visualizing and Mining Billion-Scale Graphs</i> , PAKDD 2014 , May 2014	
	7. Yibin Lin, Agha Ali Raza, Jay-Yoon Lee , Danai Koutra, Roni Rosenfeld, Christos Faloutsos, <i>Influence Propagation: Patterns, Model and Case Study</i> , PAKDD 2014 , May 2014	
	8. Ted E. Senator, Jay-Yoon Lee et al., <i>Detecting insider threats in a real corporate database of computer usage activity</i> , KDD 2013 , August 2013	
	9. Jay-Yoon Lee , U Kang, Danai Koutra and Christos Faloutsos, <i>Fast Anomaly Detection despite the Duplicates</i> , poster paper on WWW 2013 , May 2013	
RESEARCH EXPERIENCE	Research Assistant under Professor Jaime Carbonell Multi-task, Transfer learning using constraint injection.	Oct.2015 – Present
	Research Assistant under Professor Christos Faloutsos Anomaly detection algorithm on large graphs	June.2012 – Oct.2015
TEACHING	Teaching Assistant for Multimedia Databases and Data Mining	Fall 2014
	Teaching Assistant for Machine Learning (Ph.D. course)	Spring 2015
GRADUATE COURSEWORK	Probabilistic graphical models, Deep Learning, Deep RL	2015+
	Statistical Machine Learning, Graduate Algorithm, Advanced and Distributed OS	2014
	Spectral Graph Theory, Convex Optimization	Fall 2013
	Intermediate Statistics, Multimedia Databases and Data Mining	Fall 2012
WORK EXPERIENCE	Google AI, New York , Tag-constrained Transformer for text normalization. <i>Research Internship</i> with Hao Zhang, Language and Speech , Oct.2019 – Jan.2020	
	Microsoft Research, Redmond , Combinatorial action RL for task-oriented dialogue. <i>Summer Internship</i> with Sungjin Lee, Jianfeng Gao, Deep Learning group May.2019 – Aug.2019	
	Microsoft Research, Redmond , Improving conversation using multiple metrics. <i>Summer Internship</i> with Paul Bennett, Information and Data Sciences , June.2017 – Aug.2017	
	Oracle Labs, Boston, MA Syntactic parsing with output constraint on seq2seq. <i>Summer Internship</i> , with Michael Wick, IRML group , June.2016 – Aug.2016	
	Winner, NeuroHackathon (Brain) , Carnegie Mellon University, June 2016, \$5,000 team prize. Best Presenter, Global Top Talent , Hyundai Corporation, August 2016, \$3,000 prize.	
	Topic: Predicting part failures through Hierarchical LSTM.	
Miscellaneous		