

Ilija Ilievski

Deep Learning, Graduate School for Integrative Sciences and Engineering, National University of Singapore
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- EDUCATION**
- Ph.D., Computer Engineering**, National University of Singapore, Singapore
Thesis: Deep Learning Solutions to Multimodal Problems Aug 2014 – Aug 2018 (*exp.*)
Advisers: Prof. Shuicheng Yan and A-Prof. Jiashi Feng
- M.Eng., Software Engineering**, Ss. Cyril and Methodius University, Macedonia
Thesis: Tool for Modelling and Simulation of Urban Development Nov 2011 – Mar 2014
Adviser: Prof. Sonja Gievska
- B.Sc., Computer Engineering**, Ss. Cyril and Methodius University, Macedonia
Thesis: Algorithm for Clustering News Articles Sep 2006 – Mar 2011
Adviser: Prof. Andrea Kulakov
- RESEARCH EXPERIENCE**
- Learning and Vision Lab**, ECE, National University of Singapore Nov 2015 – Present
Project: Non-Convex Optimization in High Dimensions
Supervisors: Prof. Christine A. Shoemaker and A-Prof. Jiashi Feng
Project: Deep Learning Solutions to Multimodal Problems
Supervisors: A-Prof. Jiashi Feng and Prof. Shuicheng Yan
- WING and NLP Labs**, SoC, National University of Singapore Nov 2014 – Nov 2015
Project: Discourse Relation Extraction
Supervisors: Prof. Min-Yen Kan and Prof. Hwee Tou Ng
- Institute for Infocomm Research**, A*STAR, Singapore Jun 2013 – Sep 2013
Project: Metadata Information Extraction
Supervisor: Dr. Sujoy Roy
- Faculty of Computer Science and Engineering**, UKIM Jan 2012 – Jun 2013
Project: Modelling Users, Societies, & Environments
Supervisor: Prof. Sonja Gievska
- PUBLICATIONS**
- [1] [Ilievski I.](#), Akhtar T., Feng J. and Shoemaker C., “**Efficient Hyperparameter Optimization of Deep Learning Algorithms Using Deterministic RBF Surrogates**”, *31st AAAI Conference on Artificial Intelligence*, Feb 2017.
 - [2] Lei W., Wang X., Liu M., [Ilievski I.](#), and Kan M., “**Back to Naïve: A Simple yet Effective Attention Approach for Implicit Discourse Relation Recognition**”, (*under submission*), *Transactions of the Association for Computational Linguistics*, Dec 2016.
 - [3] [Ilievski I.](#) and Feng J., “**Hyperparameter Transfer Learning through Surrogate Alignment for Efficient Deep Neural Network Training**”, *arXiv:1608.00218*, Aug 2016.
 - [4] [Ilievski I.](#), Yan S. and Feng J., “**A Focused Dynamic Attention Model for Visual Question Answering**”, *arXiv:1604.01485*, Apr 2016.
 - [5] [Ilievski I.](#), “**Tool for Modelling and Simulation of Urban Development**”, *Master Thesis, Ss. Cyril and Methodius University*, Mar 2014.
 - [6] [Ilievski I.](#), and Roy S. “**Personalized News Recommendation Based on Implicit Feedback**”, *7th ACM Recommender Systems Conference*, Oct 2013.
 - [7] Gievska S., Marina O. and [Ilievski I.](#), “**Discovering Patterns of Urban Development in Skopje**”, *9th Congress Virtual City and Territory*, Oct 2013.
 - [8] [Ilievski I.](#), Gievska S. and Marina O. “**Discovering Patterns of Urban Development**”, *ICT Innovations*, Aug 2013.

AWARDS & ACHIEVEMENTS	NGS Scholarship , National University of Singapore The NGS Scholarship is awarded to talented students with an aptitude for innovative, high calibre Ph.D. research.	2014 – 2018
	3rd Place in News Recommender Systems Challenge , ACM RecSys Developing fast and scalable web news recommender system for ACM RecSys workshop challenge.	Oct 2013
	SIPGA Award , A*STAR, Singapore The Singapore International Pre-Graduate award supports research attachments for top international students to experience the vibrant scientific environment in A*STAR Research Institutes.	Jun 2013
	Algorithm Competition Finalist , Codefu Secured a position in the nationwide final competition each year from 2009 to 2014.	2009 – 2014
WORK EXPERIENCE	Teaching Assistant , National University of Singapore Modules: [CS3226] Web Programming and Applications [CS1101] Programming Methodology	2015 – 2016
	Software Engineer , Upwork Design and development of full-stack software systems for web and mobile.	2010 – 2014
	Math Tutor Preparing high school students for mathematics competitions.	2008 – 2012
INVITED TALKS	Deep Learning Summit Asia , RE•WORK “Reasoning with Deep Learning: the Visual Question Answering Problem”	20 Oct 2016
	GTCx Australia , NVIDIA “Deep Learning Solutions for Visual World Understanding”	04 Oct 2016
SKILLS	Excellent programming skills in Torch (Lua), Java, Python, and JavaScript. Comfortable working knowledge in C and C++. Strong analytical and problem solving skills, excellent communication skills and collaborative work ethic.	
INTERESTS	Algorithm competitions and marathon running.	
	References available upon request.	

Nov 2016