

Young-Jun Ko

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Address: Steinhaldenstrasse 59, 8002 Zurich, Switzerland
Citizenship: German
Work Permit: Swiss Permit C

Current Occupation

Since November 2018 **AI DevTech Engineer at NVidia**

Developing deep learning models to accelerate HPC applications

Contributing to open-source GPU machine learning library (distributed GPU solvers for linear models)

Education

02.2011 - 02.2017 **PhD at EPFL, Switzerland**

Supervisors: Prof. Matthias Grossglauser, Dr. Matthias W. Seeger

Thesis: Applications of Approximate Learning and Inference for Probabilistic Models

10.2007 - 06.2010 **MSc in Comp. Sci. at Saarland University, Germany (GPA¹: 1.3)**

Supervisor: Prof. Matthias Hein

Thesis: Stability of Feature Selection Methods

10.2002 - 09.2005 **Dipl.-Inf.(BA)/BSc(OU) in Applied Computer Science at the University of Cooperative Education, Germany (GPA: 1.4)**

Thesis: Rule-based Invoicing of IBM Infrastructure Services for Deutsche Bank

1993 - 2002 **Abitur at Lessing Gymnasium, Germany (GPA: 1.3)**

Publications

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|------|---|
| 2016 | Ko, L. Maystre, M. Grossglauser, Collaborative Recurrent Neural Networks for Dynamic Recommender Systems, <i>ACML 2016</i> |
| 2015 | Ko, M. Seeger, Expectation Propagation for Rectified Linear Poisson Regression, <i>ACML 2015</i> |
| 2014 | Ko, M. E. Khan, Variational Gaussian Inference for Bilinear Models of Count Data, <i>ACML 2014</i>
M. E. Khan, Ko, M. Seeger, Scalable Collaborative Bayesian Preference Learning, <i>AISTATS 2014</i> |
| 2013 | M. E. Khan, Ko, M. Seeger, Scalable Bayesian Preference Learning, <i>NIPS 2013 Workshop on Personalization 2013</i> |
| 2012 | Ko, M. Seeger, Large Scale Variational Bayesian Inference for Structured Scale Mixture Models, <i>ICML 2012</i> |

¹ All GPAs on a German scale: 1.0 (Best) - 6.0

Scholarships, other Professional Activities

Program Committee	Senior member/meta reviewer, ACML2017
04.2015	Google internship offer, Mountain View, California
07.2010 - 09.2010	PhD Scholarship of the International Max Planck Research School for Computer Science (Cancelled due to the move to EPFL)
04.2008 - 09.2009	Scholarship of the Saarbrücken Graduate School in Computer Science
Summer 2008	Tuition Fee Waiver (Grades in the top 5%, afterwards fees were abolished)

Work Experience

April 2017 - September 2018	Senior Machine Learning Engineer at 1plusX AG, Zurich, Switzerland Representation learning and predictive modeling based on interaction events using neural networks in Scala/Spark and Python
02.2011 - 02.2017	Research- and Teaching Assistant at EPFL
06.2010 - 02.2011	Research Assistant at Saarland University
10.2006 - 10.2007	Software Developer at SAP AG - Analytical Banking SAP Bank Analyzer 6 Process Infrastructure Development in ABAP Objects on the Netweaver Plattform
10.2005 - 09.2006	Software Developer at IBM Systems & Technology Group IBM Total Storage Productivity Center Development (Storage Area Network Management based on SNIA SMI-S Interface)
01.2005 - 03.2005	Internship at IBM ITS Consulting & Architecture Development of a network connection analysis tool in J2EE
06.2004 - 09.2004	Internship at IBM AMS Solution Implementation Design and implementation of a framework for backend system integration
01.2004 - 03.2004	Internship at IBM BCS Sector Finance Design and implementation of a web framework for frontoffice work places

Languages and Technologies

Languages:	German (native), English (fluent), Korean (intermediate), French (basic), Italian (basic), Latinum
Programming:	Python, Julia, Matlab, Scala, C/C++, Java, SQL
Technologies:	MxNet/Gluon, Theano and Tensorflow, GPU computing (CUDA), Apache Spark, Numpy/Scipy, Pandas, Linux, git, web (flask, javascript), Apache Kafka

Zurich, March 26, 2019