

Young-Jun Ko

✉ youngjun.ko@gmail.com | ☎ +41 78 63 33 55 8 | 🌐 yjk21.github.io

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

Current Occupation

Since April 2017 **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

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

2016 Ko, L. Maystre, M. Grossglauser, Collaborative Recurrent Neural Networks for Dynamic Recommender Systems, *ACML 2016*

2015 Ko, M. Seeger, Expectation Propagation for Rectified Linear Poisson Regression, *ACML 2015*

2014 Ko, M. E. Khan, Variational Gaussian Inference for Bilinear Models of Count Data, *ACML 2014*
M. E. Khan, Ko, M. Seeger, Scalable Collaborative Bayesian Preference Learning, *AISTATS 2014*

2013 M. E. Khan, Ko, M. Seeger, Scalable Bayesian Preference Learning, *NIPS 2013 Workshop on Personalization 2013*

2012 Ko, M. Seeger, Large Scale Variational Bayesian Inference for Structured Scale Mixture Models, *ICML 2012*

Scholarships, other Professional Activities

Program Committee Senior member/meta reviewer, ACML2017

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

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

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:	Theano and Tensorflow, GPU computing (CUDA), Apache Spark, Numpy/Scipy, Pandas, Linux, git, web (flask, javascript), Apache Kafka

Zurich, July 15, 2018