# Curriculum Vitae: Young-Jun Ko

## Personal Details

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| Lastname | Ko |
| Firstname | Young-Jun |
| Address | EPFL IC ISC LCA4 |
| | INR 140 (Batiment INR), Station 14 |
| | CH-1015 Lausanne, Switzerland |
| Phone(mobile) | +41-78-6333558 |
| E-Mail | youngjun.ko@gmail.com |
| WWW | yjk21.github.io |
| Permit Status | Swiss B-Permit, valid until 2020 |

## Education

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|---|---|
| Since 02.2011 | **PhD Student at EPFL, Lausanne, Switzerland** |
| | Research: *Probabilistic Modeling and Variational Approximate Inference applied to Low Level Computer Vision and Collaborative Filtering, Recurrent Neural Networks for Recommender Systems* |
| | Supervisor: Prof. Matthias Grossglauser, Computer Communications and Applications Laboratory (LCA) |
| | Advisor: Dr. Matthias W. Seeger, Amazon |
| 10.2007 - 06.2010 | **MSc in Computer Science at Saarland University, Saarbrücken, Germany** |
| | Final GPA: 1.3 (German Scale: 1.0 (Best) - 6.0) |
| | Supervisor: Prof. Matthias Hein, Machine Learning Group |
| | 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, Mannheim, Germany** |
| | Final GPA: 1.4 |
| | Thesis: *Rule-based Invoicing of IBM Infrastructure Services for Deutsche Bank* |
| 1993 - 2002 | **Abitur (A-Levels) at Lessing Gymnasium (Grammar School), Frankfurt, Germany** |
| | Final Grade: 1.3 (Specialization: Mathematics, English) |

## Publications

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|---|---|
| 2016 | Y.-J. Ko, L. Maystre, M. Grossglauser, Collaborative Recurrent Neural Networks for Dynamic Recommender Systems, *ACML 2016* |
| 2015 | Y.-J. Ko, M. Seeger, Expectation Propagation for Rectified Linear Poisson Regression, *ACML 2015* |
| 2014 | Y.-J. Ko, M. E. Khan, Variational Gaussian Inference for Bilinear Models of Count Data, *ACML 2014* |

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| 2014 | M. E. Khan, Y.-J. Ko, M. Seeger, Scalable Collaborative Bayesian Preference Learning, *AIStats 2014* |
| 2013 | M. E. Khan, Y.-J. Ko, M. Seeger, Scalable Bayesian Preference Learning, *NIPS 2013* Workshop on Personalization 2013 |
| 2012 | Y.-J. Ko, M. Seeger, Large Scale Variational Bayesian Inference for Structured Scale Mixture Models, *ICML 2012* |

## Scholarships

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| 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 Sem. 2008 | Tuition Fee Waiver (Grades in the top 5%, afterwards Fees were abolished) |

## Work Experience

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| Since 02.2011 | **Research- and Teaching Assistant** |
| | Pattern Recognition and Machine Learning (MSc level course), Internet Analytics (BSc level, BigData Analysis using Hadoop) |
| 10.2006 - 10-2007 | **Software Developer at SAP AG - Financial Services(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

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| Natural: | English(fluent), German(fluent), Korean(intermediate), French(basic), Latinum |
| Programming: | Python(intermediate), Julia(intermediate), Matlab(intermediate), C/C++(intermediate), Java(Intermediate), SQL(basic) |
| Technologies: | Theano and Tensorflow for GPU-accelerated Neural Networks, Hadoop Map/Reduce, Linux, git, web (flask, javascript) |

Lausanne, October 5, 2016