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Hyunjik Kim

Education

Oct 2015 onwards **University of Oxford**, PhD in Machine Learning.
- Areas of Research: Bayesian Deep Learning, Disentangling, Deep Generative Models, Gaussian Processes
- Supervised by **Yee Whye Teh**, Professor of Statistical Machine Learning of the Statistics Department.

2011 – 2015 **Trinity College, University of Cambridge**, MMath, BA (Hons.) in Mathematics.
- **Part IA:** First Class Honours **Part IB:** First Class Honours **Part II:** First Class Honours **Part III(MMath):** Distinction

2007 – 2011 **Hampton School**, Middlesex.
- **Balkan Mathematical Olympiad:** Bronze Medal (Member of UK Team)
- **British Mathematical Olympiad:** UK top 10. **British Physics Olympiad:** Gold Medal, UK top 20

Publications

2019 **H. Kim** et al. **Attentive Neural Processes**. *ICLR 2019*.

2018 A. Kosiorek, **H. Kim**, I. Posner and Y. W. Teh. **Sequential Attend, Infer, Repeat: Generative Modelling of Moving Objects**. *NIPS 2018*. **Spotlight**

H. Kim and A. Mnih. **Disentangling by Factorising**. *ICML 2018*.

H. Kim and Y. W. Teh. **Scaling up the Automatic Statistician: Scalable Structure Discovery in Regression using Gaussian Processes**. *AISTATS 2018*. **Oral**

2016 **H. Kim**, X. Lu, S. Flaxman and Y. W. Teh. **Tucker Gaussian Process for Regression and Collaborative Filtering**. *arXiv preprint arXiv:1605.07025*

Work

Sep 2017 onwards **Research Scientist at DeepMind**, London, UK.

Jun – Sep 2017 **Research Intern at DeepMind**, London, UK.

Jun – Aug 2015 **Research Intern at Microsoft Research (MSR)**, Cambridge, UK.
- Implemented social collaborative filtering techniques on *Delve*, Microsoft's document recommender system.

Nov 2014 – May 2015 **Master's Thesis: Bayesian Approaches to Collaborative Filtering on the Netflix Data**, University of Cambridge. *Supervisor: Dr. Rajen Shah.*

Jun – Oct 2014 **R package 'FSInteract'**, Statistical Laboratory, University of Cambridge. *Supervisor: Dr. Rajen Shah.*
- Created R implementation of *R. Shah, N. Meinshausen. Random Intersection Trees*, a fast algorithm for finding prevalent interactions in large-scale sparse binary data. 'FSInteract' available for download on **Comprehensive R Archive Network (CRAN)**

Honours and Awards

2015 ***Clarendon Fund Scholarship***, Awarded to the top 3% of graduate students across all disciplines at the University of Oxford, full funding for PhD studies.

2014 ***Heilbronn Prize***, for outstanding academic performance, Trinity College, Cambridge.

2013 ***Senior Scholarship***, for outstanding academic performance, Trinity College, Cambridge.

2012 ***Junior Scholarship***, for outstanding academic performance, Trinity College, Cambridge.

Computing

Languages Proficient in **Python, C++, MATLAB, Julia, R**, with experience in creating R packages.

Libraries TensorFlow, PyTorch.

Teaching

Oct-Dec 2016 SB1a **Applied Statistics**, Class Tutor. Ran tutorial classes.

Oct-Dec 2015 SB1a **Applied Statistics**, Teaching Assistant. Marked student assignments.

Additional Skills/Activities

Languages Korean(Native), English(Fluent)
French: A* for A Level, then took one-month immersion course in *Besançon, France* - C1 level
Spanish: DELE B2 - Pass

Leadership **Undergraduate President of Cambridge University Korean Society(CUKS)[2012-2013]**.

Sport Active football player with *Worcester College & Oxford University Korean Society*

Referees

Prof. Yee Whye Teh (PhD Supervisor) — **Department of Statistics, University of Oxford**, 24-29 St Giles, Oxford OX1 3LB, y.w.teh@stats.ox.ac.uk.

Dr. Andriy Mnih (Manager at DeepMind) — **DeepMind**, Six Pancras Square, Kings Cross, London N1C 4AG, amnih@google.com.

Dr. Dan Alistarh (Supervisor at MSR) — **Department of Computer Science, ETH**, Universitätstrasse 6, Zürich, 8092, dan.alistarh@inf.ethz.ch.