JASON LEE

CAB F 42.1, Universitätsstraße 6

8092 Zürich, Switzerland

jasonlee@inf.ethz.ch

EDUCATION AND QUALIFICATIONS

Ph.D in Computer Science *2015–2019 (exp.)*
Specialising in Deep Learning and NLP, advised by Prof. Thomas Hofmann.
Fully funded by ETH Zürich and Google.
Data Analytics Group, ETH Zürich, Switzerland

M.Phil. in Advanced Computer Science *2014–2015*
Graduated with Distinction.
Full scholarship from the Cambridge Trust.
Computer Laboratory, University of Cambridge, UK

BA (Hons.) in Computer Science *2011–2014*
1st Class Degree - Ranked 10th in year.
Dissertation: Real-Time 3D Gesture-Based Authentication, supervised by Prof. Ross Anderson.
St John's College, University of Cambridge, UK

EMPLOYMENT HISTORY

Google Research, *Research Intern* *Nov 2016–present*
Zürich, Switzerland

- Natural Language Understanding Team, hosted by Aliaksei Severyn and Enrique Alfonseca.
- Investigating ways to augment maximum likelihood learning with reinforcement learning, on a downstream NLP task such as text compression or simplification.

New York University, *Research Intern* *Jun–Oct 2016*
New York, NY, US

- CILVR Group, supervised by Prof. Kyunghyun Cho.
- Designed and implemented a fully character-level, multilingual neural machine translation system.
- Currently in submission to TACL, arXiv preprint available at 1610.03017.

University of Cambridge, *Research Intern* *Jun–Sep 2014*
Cambridge, UK

- Natural Language Processing Group, supervised by Dr. Stephen Clark.
- Implemented a novel neural network language model to measure brand perception from social media data.
- Conducted similarity testing for sports teams and brands; compared the model against existing models for language modelling.

Goldman Sachs, Inc., *Summer Analyst* *Jun–Aug 2013*
London, UK

- Performance analytics/data mining team at Divisional Strategy Group, Securities Division.
- Implemented LASSO regression on public market indices to identify potential factors for predicting the firm's revenue.
- Improved the existing data mining framework for client refocusing, locating breaks in client coverage and recovering from potential client loss.

Google, Inc., *Summer Intern* *Jul–Sep 2012*
Kraków, Poland

- Improved the Resource Weather search engine for the cluster management group.
- Rewrote the existing C++ code base into Java and added new features.

- Improved the ranking algorithm based on the relevance of the result page to the user's query by devising an optimal weighting scheme, as well as developing new data structures.

J.P. Morgan & Co., *Spring Intern* 	Apr 2012
London, UK

- Designed a real-time engine subscribing to the market feeds and calculating the implied volatility for options using the Black-Scholes model.
- Placed in top 5 in the team-based coding challenge.

TEACHING EXPERIENCE

Teaching Assistant, Computer Science Masters Programme, ETH Zürich.
Introduction to Natural Language Processing 	*Feb–Jun 2016*
Machine Learning 	*Oct 2016–present*

EXTRACURRICULAR ACTIVITIES

Events & Media Officer, Cambridge University Venture Capital & Private Equity Club 	*Feb 2013–Jan 2014*
Student Ambassador for Cambridge University, Google, Inc. 	*Oct 2012–Sep 2013*
Head of Sales & Trading, Cambridge University Finance and Investment Society 	*Feb 2012–Jan 2013*

GRANTS AND AWARDS

Qualcomm Innovation Fellowship, Awarded a $40,000 research grant for a 1-year proposal
A Unified Neural Language Model for Morphology, Grammar and Coherence 	*May 2016*
Cambridge Assessment Scholarship, Awarded £25,000 to fund my M.Phil degree.
Cambridge Trust, Cambridge, UK 	*May 2014*
Gummer Scholarship, Awarded for an outstanding academic performance.
St John's College, Cambridge, UK 	*Jul 2012, Jul 2014*
College Scholarship, Elected for achieving First Class in end-year examinations.
St John's College, Cambridge, UK 	*Jul 2012, Jul 2014*

LANGUAGES

English, Fluent 	**Korean**, Mother Tongue 	**Japanese**, Rudimentary 	**German**, Rudimentary

TECHNICAL SKILLS

Theano Torch Tensorflow Python Cython Numpy Scipy MATLAB R LaTeX Java C C++ SQL
VBA Git Bash Linux Prolog Slang Scala ML

REFERENCES

References are available upon request.