# JASON LEE

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## EDUCATION AND QUALIFICATIONS

**Ph.D in Computer Science** *2017–2021 (exp.)*
Specialising in Deep Learning and NLP, advised by Prof. Kyunghyun Cho.
Fully funded by MacCracken Fellowship.
*Courant Institute, New York University, US*

**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 10$^{th}$ in year.
Dissertation: Real-Time 3D Gesture-Based Authentication, supervised by Prof. Ross Anderson.
*St John's College, University of Cambridge, UK*

## EMPLOYMENT HISTORY

**Facebook AI Research**, *Research Intern* *May–July 2017*
New York, NY, US

- Hosted by Douwe Kiela and Jason Weston.
- Worked on Emergent Translation in a Multi-agent Referential Game, currently in preparation for ICLR 2017.

**ETH Zürich**, *Research Assistant* *Nov 2015–May 2017*
Zürich, Switzerland

- Data Analytics Group, supervised by Prof. Thomas Hofmann.
- Worked on Unified Neural Language Models for Morphology, Grammar and Coherence.

**Google Research**, *Research Intern* *Nov 2016–May 2017*
Zürich, Switzerland

- Natural Language Understanding Team, hosted by Aliaksei Severyn and Enrique Alfonseca.
- Worked on Semi-supervised text classification with Variational Autoencoders.

**Goldman Sachs**, *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**, *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.

## PUBLICATIONS

– **J. Lee**, K. Cho and T. Hofmann. **Fully Character-Level Neural Machine Translation without Explicit Segmentation.** Transactions of the Association for Computational Linguistics (TACL) 2017.

## TEACHING EXPERIENCE

**Teaching Assistant**, Computer Science Masters Programme, ETH Zürich.
Introduction to Natural Language Processing *Feb–Jun 2016*
Machine Learning *Oct 2016–May 2017*

## 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

PyTorch Theano Torch Tensorflow Python Numpy LaTeX Java C C++ SQL

## REFERENCES

References are available upon request.