Xi Victoria **Lin**

RESEARCH SCIENTIST

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Research Interest

Natural Language Processing, AI for Productivity

Work Experience

Salesforce Research *Palo Alto, CA, USA*

RESEARCH SCIENTIST *Sep. 2017 - PRESENT*

- Push forward the state of the art of natural language understanding problems such as question answering and semantic parsing
- Discover new research problems in AI for productivity, compile new datasets and propose solutions
- Collaborate with the wider research community

Microsoft Research *Redmond, WA, USA*

RESEARCH INTERN *Jun. 2015 - Sep. 2015*

- Collaborate with senior researchers on machine reading for precision medicine
- Develop novel algorithms and reproduce baselines for relation extraction from embedded knowledge graph and text

Allen Institute for Artificial Intelligence *Seattle, WA, USA*

RESEARCH INTERN *Jul. 2014 - Sep. 2014*

- Collaborate with senior researchers on machine reading for science question answering
- Design and experimented with semantic parsing approaches for populating hand-engineered physics knowledge schema for answering complex physics questions based on text

Education

University of Washington *Seattle, WA, USA*

PH.D. GRADUATED AS M.SC. IN COMPUTER SCIENCE *Aug. 2017*

University of Pennsylvania *Philadelphia, PA, USA*

PH.D. GRADUATED AS M.SC. IN COMPUTER SCIENCE *May. 2013*

University of Oxford *Oxford, UK*

M.SC. IN COMPUTER SCIENCE *Sep. 2011*

The Hong Kong Polytechnic University *Kowloon, HK*

B.ENG. ELECTRONIC AND INFORMATION ENGINEERING *Aug. 2010*

Xi'an Jiaotong University *Xi'an, Shaanxi, CN*

SPECIAL CLASS FOR THE GIFTED YOUNG OF CHINA (≈HIGH SCHOOL) *Jan. 2008*

Conference Publications

Multi-Hop Knowledge Graph Reasoning with Reward Shaping

Xi Victoria Lin, Richard Socher and Caiming Xiong *EMNLP 2018*

NL2Bash: A Corpus and Semantic Parser for Natural Language Interface to the Linux Operating System

Xi Victoria Lin, Chenglong Wang, Luke Zettlemoyer and Michael D. Ernst *LREC 2018*

Compositional Learning of Embeddings for Relation Paths in Knowledge Bases and Text

Kristina Toutanova, Xi Victoria Lin, Scott Wen-tau Yih, Hoifung Poon and Chris Quirk *ACL 2016*

Workshop and Other Publications

Program Synthesis from Natural Language Using Recurrent Neural Networks

Xi Victoria Lin, Chenglong Wang, Deric Pang, Kevin Vu, Luke Zettlemoyer, Michael D. Ernst *UWCSE-TR 2017*

Multi-label Learning with Posterior Regularization

Xi Victoria Lin, Sameer Singh, Luheng He, Ben Taskar, and Luke Zettlemoyer   NIPS-MLNLP 2014

Fine-grained Named Entity Classification in Machine Reading

Xi Victoria Lin   Oxford Thesis 2011

Honors & Awards

2014	**Travel Award**, NIPS Women in Machine Learning Workshop	*Montreal, Québec, CA*
2011	**Doctoral Fellowship**, University of Pennsylvania	*Philadelphia, PA, USA*
2010	**Best Academic Performance Award**, Department of Electronic and Information Engineering, HKPU	*Kowloon, HK*
2010	**Scholarship**, Hong Kong SAR Goverment	*Kowloon, HK*
2009	**Scholarship**, Hong Kong Polytechnic University Post-Entry	*Kowloon, HK*
2009	**Scholarship**, Hong Kong & Kowloon Electrical Appliances Merchants Association	*Kowloon, HK*
2009	**Scholarship**, Apple Inc. WWDC Student	*Kowloon, HK*

Academic Services

REVIEWER

EMNLP	2015, 2016, 2017, 2018
ACL	2017, 2018
COLING	2018
CoNLL	2018
AKBC	2016, 2017

Teaching

CIS 520: Machine Learning   *University of Pennsylvania*

TEACHING ASSISTANT   *Sep. 2012 - Dec. 2012*

- Making exam problems; answering Piazza questions; holding office hours; grading

Programming Skills

Deep Learning Libraries	Pytorch, Tensorflow
Languages	Python, Java, C++, Matlab, R, Lua, Javascript, HTML5, CSS
Web	Django