

# Xi Victoria Lin

RESEARCH SCIENTIST

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## Research Interest

Natural Language Processing, AI for Productivity

## Work Experience

### Salesforce Research

RESEARCH SCIENTIST

Palo Alto, CA, USA

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

RESEARCH INTERN

Redmond, WA, USA

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

RESEARCH INTERN

Seattle, WA, USA

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

PH.D. GRADUATED AS M.SC. IN COMPUTER SCIENCE

Seattle, WA, USA

Aug. 2017

### University of Pennsylvania

PH.D. GRADUATED AS M.SC. IN COMPUTER SCIENCE

Philadelphia, PA, USA

May. 2013

### University of Oxford

M.SC. IN COMPUTER SCIENCE

Oxford, UK

Sep. 2011

### The Hong Kong Polytechnic University

B.ENG. ELECTRONIC AND INFORMATION ENGINEERING

Kowloon, HK

Aug. 2010

### Xi'an Jiaotong University

SPECIAL CLASS FOR THE GIFTED YOUNG OF CHINA

Xi'an, Shaanxi, CN

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

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

## Academic Services

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### REVIEWER

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

## Teaching

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### 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

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