# Juan (Fei) Xu

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## Research Interests

- Natural Language Processing
  - semantics
  - text generation
  - summarization
  - dialogue

## Education

- **New York University**                                           New York, United States
  M.S. Computer Science                                                09/2019 – present
- **Fudan University**                                                      Shanghai, China
  M.S. Computer Science                                                09/2011 – 07/2014
  - Research area: Natural Language Processing
  - Advisor: Prof. Xuan-Jing Huang & Prof. Qi Zhang
- **Anhui University of Technology**                                       Maanshan, China
  B.S. Software Engineering                                            09/2006 – 07/2010

## Work Experiences

- **PayPal, Shanghai, China**
  Senior AI Engineer                                                   04/2019 – 08/2019
  - Lead & involve in the design and development of algorithms/models to support PayPal business units for compliance and risk management, fraud detection, etc.
- **Alibaba, Hangzhou, China**
  Algorithm Expert                                                     02/2019 – 04/2019
  - Lead & involve in the design and development of algorithms/models to support Alibaba business units for compliance and risk management, fraud detection, etc.
- **Meituan-Dianping, Shanghia, China**
  Senior Algorithm Engineer                                            07/2014 – 02/2019
  - Lead & involve in the design and development of algorithms/models to support DianPing's search business unit, include query understanding & document understanding.

## Publications & Patents

- **Juan Xu**, Qi Zhang and Xuanjing Huang.
  Personalized Hashtag Suggestion for Microblogs.
  *4th National Conference of Social Media Processing, (SMP)* 2015

- **Juan Xu**, Qi Zhang and Xuanjing Huang.
  Understanding the Semantic Intent of Domain – Specific Natural Language Query.
  *International Joint Conference on Natural Language Processing, (IJCNLP)* 2013

- **Juan Xu**, Tian Yi and Wei Su and Wei Shi and Ao Chuang.
  A method and system of entity relevance verification code generation.
  *First class patent of Alibaba group company, to appear* 2019

- **Juan Xu\***, Rao Fu\* and Zhian Yu and Yanhua Wang and Gong Zhang.
  A method and system of real-time generation of articles.
  *First class patent of meituan-dianping company, to appear* 2018

- Rao Fu, **Juan Xu** and Zhian Yu and Yanhua Wang and Gong Zhang
  A general method and system for identifying the semantic intent of search keyword.
  *Second class patent of meituan-dianping company, to appear* 2018

## Academic Presentations

- **International Joint Conference on Natural Language Processing (IJCLP'13)** — Nagoya, Japan / 10/2013
  Oral presentation
- **The Eighth ACM International WSDM Conference (WSDM'15)** — Shanghai, China / 02/2015
  Winter School
- **National Conference of Social Media Processing (SMP'15)** — Guangzhou, China / 10/2015
  Oral presentation

## Honors & Grants

- 12th Meituan-Dianping Hackthon First class Winner, Shanghai, China. — 12/2017
- Meituan-Dianping Technology Innovation Award Winner, Shanghai, China. — 12/2015
- Student Scholarship, Fudan Univ. — 06/2012–06/2013
- Student Scholarship, AHUT. — 06/2007–06/2010

## Teaching Experience

- **Fudan University**
  – Teaching Assistant, Computational thinking — 2012 Fall
  – Teaching Assistant, Chinese information processing — 2013 Spring

## Skills

- **NLP**: CWS, Language Model, NER, Text Generation, Summarization
- **Deep Learning**: CNN, RNN, Attention, Transformer, Bert, Tensorflow, PyTorch
- **Java**: Spring, Maven, Design Pattern
- **Python**: Numpy, Scipy, Pandas ,Sklearn, Beautiful Soup
- **Language**: Chinese (Native), English (Fluent)

## Social Activity

- **Clara Non-profit DIY Club**[link]
  –Member
  –Environmental Protection
  –Support Disadvantaged children