Wenjuan Han

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EDUCATION

SHANGHAITECH UNIVERSITY

DS in Computer Science
Joint Supervision of Shanghai Institute of Microsystem And Information Technology
Expected July 2019
Cum. GPA: N/A

MS in Computer Science
Grad. July 2016
Cum. GPA: 3.51 / 4.0

NANJING UNIVERSITY OF POSTS AND TELECOMMUNICATIONS

BS in Optical Information Science and Technology
Grad. July 2014
Cum. GPA: 3.44 / 4.0

LINKS

Github:// **WinnieHAN**
LinkedIn:// **wenjuan-han**
Personal Website:// **hanwenjuan**

COURSEWORK

GRADUATE

Artificial Intelligence
Computer Graphics
Computer Version
Mobile Robotics
Compressive Sensing

UNDERGRADUATE

Probability and Stochastic Processes
Software Design
Signals and Systems Analysis

SKILLS

PROGRAMMING

Advanced:
Python • Java • Pytorch
Intermediate:
Keras • Tensorflow • LaTeX
Familiar:
Shell • C • C++

PUBLICATIONS

Latent Variable Autoencoder
2018|(submitted)

Knowledge Sharing for Multilingual Grammar Induction
2018|(submitted)

Enhancing Unsupervised Generative Dependency Parser with Contextual Information
2018|(submitted)

Dependency Grammar Induction with Neural Lexicalization and Big Training Data
Wenjuan Han, Yong Jiang, Kewei Tu | EMNLP 2017
Conducted a systematic study regarding the impact of the degree of lexicalization and the training data size on the accuracy of grammar induction approaches

Combining Generative and Discriminative Approaches to Unsupervised Dependency Parsing via Dual Decomposition
Yong Jiang, Wenjuan Han, Kewei Tu | EMNLP 2017
Proposed a new learning strategy that can learn a generative model and a discriminative model jointly based on the dual decomposition method

Unsupervised Neural Dependency Parsing
Yong Jiang, Wenjuan Han, Kewei Tu | EMNLP 2016
Proposed the first neural probabilistic model to unsupervised dependency parsing

Optical fiber energy transmission system interlocking protection device
Publication number: CN104009451A | PATENT 2014

RESEARCH INTERESTS

My research interest is in natural language processing and machine learning. My current research focuses on the study of **probabilistic/neural models and parsers** for modeling different aspects of intelligence: (1) grammar-based representation, inference, and unsupervised learning; and (2) the application of unsupervised learning approaches with hidden variables in a variety of AI areas including grammar induction and clustering.

EXPERIENCE

TA CS281 Course | Artificial Intelligence
TA Summer Course | Web Technology
PRESIDENT Machine Learning Reading Club

AWARDS

2015-2017	Learning Scholarship
2015-2017	Excellent Student
2017	3th Place
	China Post-Graduate Mathematical Contest in Modeling
2015	Outstanding Volunteer Award
	ShanghaiTech Symposium on Data Science