

Feng Wang

CONTACT INFORMATION	Nanyi Building, Room West 323 Huazhong University of Science & Technology Wuhan 430074, China	Phone: (+86)133-4983-0393 E-mail: feng_wang@hust.edu.cn
RESEARCH INTERESTS	Machine Learning (Deep Learning), Algorithms for cryo-EM	
EDUCATION	Huazhong University of Science & Technology (HUST) , Wuhan, China	
	<ul style="list-style-type: none">• M.S. in School of Electronic Information & Communications Sep. 2014–present Advisor: Prof. Tian Xia	
	Huazhong University of Science & Technology (HUST) , Wuhan, China	
	<ul style="list-style-type: none">• B.S. in School of Electronic Information & Communications Sep. 2010–Jul. 2014	
PUBLICATIONS	(*: equal contribution, +: co-corresponding)	
	<ol style="list-style-type: none">1. F. Wang*, H. Gong*, G. Liu*, M. Li, C. Yan, T. Xia⁺, X. Li⁺, J. Zeng⁺. “DeepPicker: a deep learning approach for fully automated particle picking in cryo-EM”. Working paper.	
RESEARCH EXPERIENCE	Unsupervised learning of hierarchical representations Jul. 2014–Nov. 2014 Advisor: prof. Tian Xia	
	<ul style="list-style-type: none">• Researching on unsupervised feature learning algorithms of natural images, including sparse auto-encoder and independent component analysis.	
	National Data Science Bowl , a competition on Kaggle to predict ocean health based on plankton. Dec. 2014–Mar. 2015 Advisor: prof. Tian Xia	
	<ul style="list-style-type: none">• Designed a deep convolutional neural network to make the prediction, ranking 119th/1049.	
	Visiting Research Student , Machine Learning and Computational Biology Group, Tsinghua University. Apr. 2015–Present Advisor: Prof. Jianyang Zeng	
	<ul style="list-style-type: none">• Designed a fully automatic approach based on deep learning to pick particles in cryo-EM. (Working paper)	
SKILLS	Knowledge <ul style="list-style-type: none">• Machine learning, Deep learning• Algorithms for cryo-EM• Signals and Systems Programming Language <ul style="list-style-type: none">• C/C++, Lua, Python, R, L^AT_EX	