

Weiwu Zhu

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Education	Peking University, Beijing, China M.S. in Software Engineering	Sep. 2008 - Jun. 2011
	Wuhan University, Wuhan, China B.S. in Software Engineering	Sep. 2004 - Jun. 2008
Employment	Microsoft Bellevue, WA, United States	Senior Software Engineer Jan. 2015 - Present
	<ul style="list-style-type: none">Working on Bing Local Entity Search as a Tech Lead, especially on entity understanding by leveraging Deep Learning, search relevance, and large scale data mining.	
	Microsoft China Beijing, China	Software Engineer Jul. 2011 - Dec. 2014
	<ul style="list-style-type: none">Worked on Knowledge Graph cataloging billions of entities and their relationships, and drove Microsoft next generation Answer Platform based on the Knowledge Graph as a Tech Lead, and enabled inexperienced users to create and ship a new Answer experience on Bing in few hours efficiently.Worked on the backend algorithm of Speech Synthesis (TTS) engine and Natural Language Generation (NLG) engine for Microsoft Cortana, Xbox, and Nokia Here turn-by-turn navigation.	
Experience	Speech Group at Microsoft Research Asia Beijing, China	Intern Researcher Jan. 2010 - Jun. 2011
Patent	<ul style="list-style-type: none">Research project: Voice Activity Detection for speech recognition in noisy environments.Research project: Speech Enhancement using microphone array for speech recognition.	
	Weiwu Zhu , jointly with Ming Sui & Shengcai Peng, Language Modeling For Speech Recognition Leveraging Knowledge Graph, <i>WO2016196320</i>	
	Weiwu Zhu , jointly with Albert J. Thambiratnam & Frank T. Seide, Leveraging speech recognition feedback for voice activity detection, <i>United States Patent No. 8,650,029</i>	
Publication	Weiwu Zhu , Using Knowledge Graph and Search Query Click Logs in Statistical Language Model For Speech Recognition, <i>InterSpeech 2017</i>	
Award	Kit Thambiratnam, Weiwu Zhu , and Frank Seide, Voice Activity Detection Using Speech Recognizer Feedback, <i>InterSpeech 2012</i>	
	Hack Day in Microsoft Search Technology Center Asia, China Category Winner	Apr. 2013
	Microsoft Research Asia, China Certificate of Excellent Internship	Jul. 2011
	Peking University, China School Scholarship Award	2008 - 2009
	Programming Contest in Wuhan University, China 3rd Place Award	2007 - 2008
Skill	Programming: Skilled in Python, and familiar with C++, C#, Java, and SQL language; Familiar with Object Oriented Programming, Speech Technology, Knowledge Graph, Search Relevance, Design Patterns, Machine Learning, Operating System and Compiler; Language: Chinese (native), English (fluent)	