

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	Facebook Seattle, WA, United States	Machine Learning Engineer Jan. 2020 - Present
	<ul style="list-style-type: none">Working on Ads Ranking for Facebook App Monetization team as a machine learning engineer, focusing on improving the deep learning models to increase revenues.	
	Microsoft Bellevue, WA, United States	Senior Software Engineer Jan. 2015 - Dec. 2019
	<ul style="list-style-type: none">Worked on Bing Local Entity Search as a Tech Lead, especially on entity understanding by leveraging Deep Learning, query understanding with Natural Language Processing (NLP), search relevance, and large scale data mining and crawling.	
Experience	Microsoft China Beijing, China	Software Engineer Jul. 2011 - Dec. 2014
	<ul style="list-style-type: none">Worked on Microsoft virtual assistant Cortana in many different areas, including Speech Synthesis (TTS) engine, Natural Language Generation (NLG), and Knowledge Graph cataloging billions of entities and their relationships.	
	Speech Group at Microsoft Research Asia Beijing, China	Intern Researcher Jan. 2010 - Jun. 2011
	<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.	
Patent	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>	
	Kit Thambiratnam, Weiwu Zhu , and Frank Seide, Voice Activity Detection Using Speech Recognizer Feedback, <i>InterSpeech 2012</i>	
Award	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 C++, and familiar with Python, 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)	