

## Qingyun DOU

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### Education

2017-2022	<b>University of Cambridge</b> , Ph.D. in Information Engineering, supervised by Prof. Mark Gales Thesis: <a href="#">Improving Attention-based Sequence-to-sequence Models</a> (link to PDF, demo, code)	UK
2016-2017	<b>University of Cambridge</b> , M.Phil. in Machine Learning, Speech and Language Technology	UK
2009-2016	<i>Double-Degree Programme in Electrical Engineering and General Engineering</i> <b>Ecole Centrale de Nantes</b> , Dipl.-Ing. in General Engineering <b>Xi'an Jiaotong University</b> , B.S. and M.S. in Electrical Engineering	France China

### Selected Publications

2022	<b>Q Dou</b> , MJF Gales. <a href="#">Deliberation Networks and How to Train Them</a> . arXiv preprint arXiv: 2211.03217	
2022	<b>Q Dou</b> , MJF Gales. <a href="#">Parallel Attention Forcing for Machine Translation</a> . arXiv preprint arXiv: 2211.03237	
2021	<b>Q Dou</b> , X Wu, M Wan, Y Lu, MJF Gales. <a href="#">Deliberation-Based Multi-Pass Speech Synthesis</a> . Annual Conference of the International Speech Communication Association ( <b>INTERSPEECH</b> ) <b>2021</b>	
2021	<b>Q Dou</b> , Y Lu, P Manakul, X Wu, MJF Gales. <a href="#">Attention Forcing for Machine Translation</a> . arXiv preprint arXiv:2104.01264	
2020	<b>Q Dou</b> , J Efiomg, MJF Gales. <a href="#">Attention Forcing for Speech Synthesis</a> . Annual Conference of the International Speech Communication Association ( <b>INTERSPEECH</b> ) <b>2020</b>	
2018	<b>Q Dou</b> , M Wan, G Degottex, Z Ma, MJF Gales. <a href="#">Hierarchical RNNs for Waveform-level Speech Synthesis</a> . IEEE Spoken Language Technology Workshop ( <b>SLT</b> ) <b>2018</b>	
2017	<b>Q Dou</b> , <a href="#">Waveform Level Synthesis</a> , University of Cambridge, <b>MPhil Thesis</b>	
2016	<b>Q Dou</b> , J Liu, Z Liu, T Liu. <a href="#">A Novel Online Grid Impedance Measurement Method Based on Injecting Pulses Designed in Frequency-Domain</a> . IEEE International Power Electronics and Motion Control Conference ( <b>IPEMC-ECCE Asia</b> ) <b>2016</b>	
2015	<b>Q Dou</b> , Z Liu, J Liu, W Bao. <a href="#">A Novel Impedance Measurement Method for Three-Phase Power Electronic Systems</a> . International Conference on Power Electronics and ECCE Asia ( <b>ICPE-ECCE Asia</b> ) <b>2015</b>	

### Employment

11.2022-present	<b>Google</b> , Research Scientist Studying <a href="#">speech recognition</a> and <a href="#">speech synthesis</a>	UK
2022.08-11	<b>University of Cambridge</b> , Research Assistant Studied accented <a href="#">speech synthesis</a> , developed a universal accent converter	UK
11.2021-04.2022	<b>Huawei</b> , AI Algorithm Development Intern Studied deep learning <a href="#">model compression</a> , with a focus on the application to language related tasks such as <a href="#">speech synthesis</a> and <a href="#">speech recognition</a>	UK
05-08.2013	<b>Renault</b> , Software Development Intern Developed software with C#, achieved the automatic control of computers in showrooms	France

### Awards

2018	<b>1<sup>st</sup> Place</b> at HSBC Cambridge Hackathon	HSBC
2017-2020	Cambridge Trust Scholarship	Cambridge Trust
2011-2013	Eiffel Excellence Scholarship	Campus France

### Others

Programming Languages	<b>Python</b> , Matlab, C, C++, C#, <b>TensorFlow</b> , <b>PyTorch</b> <b>English (IELTS 8/9)</b> <b>French (TFI 8/9)</b> Mandarin (Native)
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