Meng Ge

Research Area: Distant Speech Recognition, Speech Enhancement and Separation

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Date of Birth:	October. 1992	Github:	https://gitee.com/dmai/
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Education

Graduation: 2021.06

Tianjin University, Candidate Doctor Degree 09/2017-06/2021

Doctor of Applied Computer Technology, College of Intelligence and Computing

- Tutor: Mr. Longbiao Wang; Research Area: Speech Processing, Automatic Speech Recognition
- The First Scholarship for Outstanding Students
- Applying to Nanyang Technological University (NTU) for a short-term research project

Tianjin University, Master Degree 09/2015-06/2017

Master of Software Engineering, College of Intelligence and Computing

- Tutor: Mr. Di Jin; Research Area: Complex Network, Community Detection
- Graduate and award master degree ahead of schedule.
- The First Scholarship for Outstanding Students, etc.

Tianjin Polytechnic University, Bachelor Degree 09/2011-06/2015

Bachelor of Software Engineering, School of Computer Science and Software

- English: CET 6; GPA: 90.33/100
- National Scholarship, Oracle OCP Certificate, Outstanding Graduates, etc.

Research Projects & Publications

Research on Speech Enhancement and Separation for Distant Speech Recognition 09/2017- 06/2021

Environment-dependent Attention-driven Recurrent Convolutional Neural Network for Robust Speech Enhancement	conference paper	Interspeech, Page unknown (2019)
Pitch Synchronized Relative Phase with Peak Error Detection For Noise-robust Speaker Recognition	conference paper	ISCSLP, Page 156-160 (2018)

Research on Network Embedding with Deep Learning 06/2016-06/2018

Integrative Network Embedding via Deep Joint Reconstruction	conference paper	IJCAI, Page 3407-3413 (2018)
Exploring the roles of cannot-link constraint in community detection via Multi-variance Mixed Gaussian Generative Model	journal paper	PLOS ONE, 12(7), e0178029 (2017)
Using Deep Learning for Community Discovery in Social Networks	conference paper	ICTAI, Page 160-167 (2017)

Internship Experience

Beijing Xiaoju Technology Co, Ltd. (Didi Chuxing) 09/2018-06/2019

Research on Speech Separation for Intelligent Customer Service

- Goal: To help customer service identify intentions, the real mixture speeches should be separated and denoised.
- Achievement: The real mixture speeches in cars have been preliminary separated and de-noised.

Research on Drunk Passenger Detection

- Goal: To reduce drunken conflict, the speeches of passengers should be analyzed to determine their state.
- Achievement: The drunk detection method has been finished, and it has been applied to online DiDi application.

Tianjin Chuanhe Technology Co, Ltd. 03/2014-09/2015

Research on Fresh Product Delivery System

- Goal: To improve the efficiency of fresh distribution, supporting mobile and computer applications are built.
- Achievement: One android app and some PC interfaces were finished. (system)
- Achievement: A fast car search algorithm based on geographical location was proposed and built. (algorithm)

Patents & Software Copyright (in China)

- An Effective Drunk Detection Algorithm Based on Speech. (Patent)
- An Environment-dependent Speech Enhancement Algorithm based on Attention Mechanism. (Patent)

- An Attendance Management System Based on JAVA. (Software Copyright)