

Yiqin Zhao

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Interest Software Engineering
 Deep Learning Infrastructure
 High Performance Computing

Education **Tianjin Normal University**
 B.E, Software Engineering, 2015 - Present.
 GPA: 80.80/100.00

Experience **Student Researcher**
 Cognitive and Affective Computing Lab, Tianjin Normal University
 Tianjin, China, December 2016 - Present

- Proposed and implemented a novel deep neural network (in Python) engaging both convolutional neural network and long short-term memory for human speech emotion recognition from speech audio spectrogram signal.
- Made oral presentation of submitted paper on ACM Multimedia 2018 ASMMC-MMAC workshop in Seoul, Korea on November 2018.

Software Engineering Intern
Baidu, Inc. Beijing, China, July - September, 2018

- Developed user interfaces for *Baidu's* smart device operating system *DuerOS* with state-of-the-art hybrid web technologies (Including Vue.js, Node.js and React Native-like hybrid UI framework).
- Developed an internal automation tool with Python on top of *adb* toolkit to accelerate *DuerOS* (which is based on Android) development and debugging. This tool has been widely used internally with good feedback.

Software Engineering Intern
Beijing Yunji Investment Ltd., Beijing, China, January - February 2016

- Worked with designers and product managers to develop official web page and web-based consultant business page.

Project **Online Habit Game**
 University of Southern California, CA, U.S., May, 2018 - Present

- Developed a psychology experimental online game with advanced full-stack technologies, including modern JavaScript, Node.js and MongoDB.
- Made communication between researchers from different background to assist their research purpose, and offer contribution from technology perspective.

Pece: Depression Detection App Based on User's Pronunciation and Intonation

Tianjin Normal University, Tianjin, China. June, 2017 - June, 2018

- Built stress relieve psychology exercises App with Swift to help users develop better mental health. And designed deep learning algorithms to help diagnose user's depression status.
- This project is supported by *National Undergraduate Training Program for innovation and entrepreneurship*.

Activity

Tianjin Normal University iOS Club

Founder, President of 2017 - 2018

- Held regular technology discussions on campus, and organized collaborative activities at the local Apple Store.
- Helped organize members to attend *Apple's* iOS Club summer and winter camps during semester vacations.
- Grew the Tianjin Normal University iOS Club to become the largest student technology club of my college.

Publication

Ziping Zhao, **Yiqin Zhao**, Zhongtian Bao, Haishuai Wang, Zixing Zhang, and Chao Li. 'Deep Spectrum Feature Representations for Speech Emotion Recognition', *ASMMC-MMAC'18*

Zhao, Z., Zheng, Y., Zhang, Z., Wang, H., **Zhao, Y.**, Li, C. 'Exploring Spatio-Temporal Representations by Integrating Attention-based Bidirectional-LSTM-RNNs and FCNs for Speech Emotion Recognition', *INTERSPEECH 2018*

Award and Scholarship

China Collegiate Computing Contest

This contest is held by Zhejiang University and Apple, Inc to all students from the great China area.

- 2017 national third prize, October 2017, top 6%
- 2016 national third prize, October 2016, top 10%

Wang Kechang Culture and Technology Innovation Scholarship

Tianjin Normal University, September 2018, fewer than 1%

Tianjin Normal University Scholarship

- 2017 - 2018 academic year top grade scholarship, top 5%
- 2016 - 2017 academic year second prize scholarship, top 20%
- 2015 - 2016 academic year first prize scholarship, top 10%