YIQIN ZHAO

100 Institute Rd – Worcester, MA, 01609

(+1) (508)736-5839 ⋄ yiqinzhao@outlook.com

EDUCATION

Worcester Polytechnic Institute, Worcester, MA, USA *August 2019 - Present*
M.S. in Computer Science

Tianjin Normal University, Tianjin, China *September 2015 - June 2019*
B.Eng. in Software Engineering

RESEARCH INTERESTS

- **Mobile Augmented Reality System:** Efficient Deep Learning for Augmented Reality, Mobile System Design for Augmented Reality

- **Computer Graphics and Computer Vision:** Realistic Augmented Reality Rendering, Real World 3D Understanding

EXPERIENCE

Worcester Polytechnic Institute, Worcester, MA, USA *August 2019 - Present*
Research Assistant, Advisor: Prof. Tian Guo

- Design efficient and accurate deep learning models for indoor AR lighting estimation.

- Build system for on-device mobile AR lighting estimation deep learning inference.

- Explore new opportunities for realistic looking AR rendering.

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

- Participated on smart user interface development for Baidu IoT device operating system DuerOS with state-of-the-art hybrid web technologies.

- Closely worked with visual designers for designing and developing user interface component library.

Tianjin Normal University, Tianjin, China *December 2016 - May 2018*
Research Assistant, Advisor: Prof. Ziping Zhao

- Focused on applied machine learning and affective computing.

- Designed and implemented a novel deep neural network that effectively learns the spatial and temporal features of human speech emotion from speech audio spectrogram signal.

- Gave oral presentation on ACM Multimedia 2018 ASMMC-MMAC workshop in Seoul, Korea on November 2018.

PUBLICATIONS

- Ziping Zhao, Zhongtian Bao, **Yiqin Zhao**, Zixing Zhang, Nicholas Cummins, Zhao Ren, Björn W. Schuller. **Exploring Deep Spectrum Representations via Attention-Based Recurrent and Convolutional Neural Networks for Speech Emotion Recognition**. IEEE Access 7: 97515-97525 (2019)

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

- Ziping Zhao, Yu Zheng, Zixing Zhang, Haishuai Wang, **Yiqin Zhao**, Chao Li. **Exploring Spatio-Temporal Representations by Integrating Attention-based Bidirectional-LSTM-RNNs and FCNs for Speech Emotion Recognition**, INTERSPEECH 2018

SKILLS

- Proficient with Python/JavaScript Programming

- Good at Keras/Tensorflow/Matlab

- Familiar with Unity3D/Unreal Engine 4

- Familiar with Swift/C# Programming

- Familiar with C/C++ programming

AWARDS AND SCHOLARSHIPS

China Collegiate Computing Contest, Apple Inc., China
This contest is held by Tsinghua University, Zhejiang University and Apple, Inc China to all students from the great China area for developing and designing innovative mobile applications.

- 2017 national third prize, October 2017, top 6% <div align="right">*October 2017*</div>

- 2016 national third prize, October 2016, top 10% <div align="right">*October 2016*</div>

Wang Kechang Culture and Technology Innovation Scholarship, Tianjin Normal University
Fewer than 1% <div align="right">*September 2018*</div>

Tianjin Normal University Scholarship , Tianjin Normal University

- 2018 - 2019 academic first grade scholarship, top 10% <div align="right">*May 2019*</div>

- 2017 - 2018 academic year top grade scholarship, top 5% <div align="right">*September 2018*</div>

- 2016 - 2017 academic year second grade scholarship, top 20% <div align="right">*September 2017*</div>

- 2015 - 2016 academic year first grade scholarship, top 10% <div align="right">*September 2016*</div>

ACTIVITY

Founder and President of iOS Club, Tianjin Normal University <div align="right">*2017 - 2018*</div>

- Held biweekly application development and design discussions on campus.

- Led collaborative student activities with Apple Inc. at the local Apple Store.

- Led team to attend national iOS Club summer and winter camps held by Apple Inc.

- Grew the Tianjin Normal University iOS Club to be the largest and most influential student technology club on campus.