Zelun Wang

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Education

Texas A&M University **College Station**
Ph.D. Student in Computer Science, GPA 3.9/4.0 *2014.09–2020.08 (expected)*

Xi'an Jiaotong University **Xi'an**
B.Eng. in Automation, GPA 89.0/100 *2010.09–2014.07*

Work Experiences

Machine Learning Intern ***Facebook, Inc.**, 2018.06–2018.08*
- Improved location data crowdsourcing pipeline
- Developed a location feature weighting schema for Gradient Boosting Decision Tree

Teaching Assistant *Texas A&M University*
- CSCE 121: Introduction to Program Design (C++)
- CSCE 462: Microcomputer Systems

Research Interests

- Machine Learning, Document Analysis, Affective Computing, Computer Vision

Technical Skills

- **Programming Languages**: Java, C++, Python, Ruby, Javascript, Php
- **Tools**: Matlab, Android, Latex, Hive, Mercurial, Git

Publications

- D. Beyette, M. Rugh, J. Lin, X. Wang, **Z Wang**, R. Capraro, J. Liu, "DIME: A Dynamic Interactive Mathematical Expression Tool for STEM Education", *Annual Conference of American Society for Engineering Education.* (In press, 2019)

- F. Akbar, A. Bayraktaroglu, P. Buddharaju, D. Silva, G. Gao, T. Grover, R. Gutierrez, N. Jones, G. Mark, I. Pavlidis, K. Storer, **Z Wang**, A. Wesley, S. Zaman, "Email Makes You Sweat: Examining Email Interruptions and Stress with Thermal Imaging", *Proceedings of Human Factors in Computing Systems, ACM Press.* (2019)

- T Jin, J Zhou, **Z Wang**, R Gutierrez-Osuna, C Ahn, W Hwang, K Park, P Lin, "Real-Time Gas Mixture Analysis Using Mid-Infrared Membrane Microcavities", *Journal of Analytical Chemistry.* (2018)

- **Z Wang**, T Jin, P Lin, R Gutierrez-Osuna, "Mixture quantification in the presence of unknown interferences", *The International Symposium on Olfaction and Electronic Nose.* (2017)

- **Z Wang**, A Parnandi, R Gutierrez-Osuna, "BioPad: Leveraging Off-the-Shelf Video Games for Stress Self-Regulation", *Journal of Biomedical and Health Informatics.* (2017)

- C Liberatore, S Aryal, **Z Wang**, S Polsley, R Gutierrez-Osuna, "SABR: Sparse, Anchor-Based Representation of the Speech Signal", *Sixteenth Annual Conference of the International Speech Communication Association.* (2015)

- **Z Wang**, J Wang, S Zhang, Y Gong, "Visual Tracking based on Online Sparse Feature Learning", *Journal - Image and Vision Computing.* (2015)

- S Zhang, J Wang, **Z Wang**, Y Gong, Y Liu, "Multi-target tracking by learning local-to-global trajectory models", *Journal - Pattern Recognition.* (2014)

Patents

- "A multi-target tracking method by iterating trajectory models", CN201410136574, granted Apr. 2014

Honors and Awards

Undergraduate with University Honors: Xi'an Jiaotong University   *2014*
National Encouragement Scholarship: Xi'an Jiaotong University   *2013, 2012, 2011*
Outstanding Student Award: Xi'an Jiaotong University   *2013, 2012*
Excellent Student Leader Award: Xi'an Jiaotong University   *2011*