WEIZHI LI   CURRICULAM VITAE

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https://wayne0908.github.io |

RESEARCH INTERESTS

Active Learning, Statistical Testing and Statistical Machine Learning

EDUCATION

Ph.D., Computer Engineering Aug'22
Arizona State University, Tempe, USA
Dissertation: *"Modeling and Exploiting the Structure of Data via Meta-Features for Robust and Efficient Machine Learning"*
Advisors: Dr. Visar Berisha and Dr. Gautam Dasarathy

M.S., Electrical Engineering Dec'17
Texas A&M University, College Station, USA
Thesis: *"Noise-Tolerant Deep Learning for Histological Image Segmentation"*
Advisors: Dr. Jim Ji and Dr. Xiaoning Qian

B.S., Electronic Information Science and Technology Jun'15
Shandong University, Weihai, China
Thesis: *"Influences of Two Image Dehazing Filters on Image Compression Algorithms"*
Outstanding Undergraduate Thesis

AWARDS

UAI **Student scholarship**	Jun'22
Graduate Travel Award from Arizona State University (Remote)	Aug'20
Engineering Graduate Fellowship from Arizona State University	18,19
Poster Award in SWE Region C Conference Poster Competition	Mar'17
Graduate Merit Scholarship from Texas A&M University	Aug'16
Shandong University **Departmental Scholarship**	Oct'14

EXPERIENCE

Research Scientist Sep'22 – Present
Meta

Graduate Research Associate Aug'18 – Aug'22
College of Health Solutions
Arizona State University

Machine Learning Engineer Intern May – Aug'21
Ads Core ML, Facebook

Graduate Research Assistant Jan'16 – May'18
Department of Electrical and Computer Engineering
Texas A&M University

PUBLICATIONS

W. Li, G. Dasarathy, K. Ramamurthy, V. Berisha, "A label efficient two-sample test", Uncertainty in Artificial intelligence (UAI), 2022. **Acceptance rate: ~30%**

W. Li, G. Dasarathy, K. Ramamurthy, V. Berisha, "Finding the Homology of Decision Boundaries with Active Learning", Neural Information Processing Systems (NeurIPS), 2020. **Acceptance rate: ~20%**

W. Li, G. Dasarathy, V. Berisha, "Regularization via Structural Label Smoothing", International Conference on Artificial Intelligence and Statistics (AISTATS), 2020. **Acceptance rate: ~30%**

C. Tsai, **W. Li**, X. Qian, Y. Lin, "Image Co-saliency Detection and Co-segmentation via Progressive Joint Optimization", IEEE Transactions on Image Processing (TIP), 28(1), 56-71. **IF: 9.34**

W. Li, X. Qian, and J. Ji, "Noise-tolerant Deep Learning for Histopathological Image Segmentation", International Conference on Image Processing (ICIP), 2017.

L. Wang, X. Zhou, C. Wang and **W. Li**, "The Effects of Image Dehazing Methods Using Dehazing Contrast-Enhancement Filters on Image Compression", KSII Transactions on Internet and Information Systems (TIIS), vol. 10, no. 7, pp. 3245-3271, 2016.

TALKS & PRENSENTATIONS	**Poster presentation** at Asilomar Conference on Signals, Systems, and Computers, Pacific Grove, CA Oct'22
	Invited talk at Journal Club on Responsible Use of Machine Learning Research Hosted by ECEE Department at ASU, Tempe, AZ Sep'22
	Poster presentation at Conference on Uncertainty in Artificial Intelligence, Virtual Aug'22
	Poster presentation at Conference on Conference on Neural Information Processing Systems, Virtual Dec'20
	Poster presentation at International Conference on Artificial Intelligence and Statistics, Virtual Aug'20
	Poster presentation at International Conference on Image Processing, Beijing, China Sep'17
SERVICES & ACTIVITIES	**Reviewer** for AAAI, ICML, NeurIPS, Transaction on Information Theory
	Graduate Fulton Ambassador in Arizona State University May – Nov'20
	Medical Imaging Summer School: Medical Imaging Meets Machine Learning [Activity Link] Aug'16