WEIZHI LI CURRICULAM VITAE

CONTACT INFORMATION
920 S Terrance Rd
Tempe, AZ 85281
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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

Student panel at the Ph.D. open house for the School of Computing and Augmented Intelligence at ASU — Feb'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

SUPERVISED STUDENTS

Robert Lattus (Now pursuing Ph.D. at University of Florida) — Mar – Nov'21

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

REFERENCES

Visar Berisha, Associate Professor, Arizona State University, visar@asu.edu
Gautam Dasarathy, Assistant Professor, Arizona State University, gautamd@asu.edu
Karthikeyan Ramamurthy, Research Staff Member, IBM, knatesa@us.ibm.com
Xiaoning Qian, Professor, Texas A&M University, xqian@ece.tamu.edu