

Javen Qinfeng Shi

Position: Lead and Founder, DeepSightX; Director and Founder, Probabilistic Graphical Model Group; Director in Advanced Reasoning and Learning, Australian Institute for Machine Learning; Full Professor (Level E), School of Computer Science, The University of Adelaide (UoA)

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Education: PhD (2011), Computer Science (Machine Learning), Australian National University; MS(2006), BS(2003) Computer Science and Technology, Northwestern Polytechnical University

Past Positions: Jan. 2018-Dec. 2019, Associate Professor, School of Computer Science, UoA

Jan. 2015-Dec. 2017, Senior Lecturer (Tenure), School of Computer Science, UoA

Jan. 2012-Dec. 2014, Discovery Early Career Researcher Award (DECRA) Fellow, UoA

May. 2010-Dec. 2011, Senior Research Associate, Australian Centre for Visual Technologies, UoA

Honors and Prizes: ARC Discovery Early Career Researcher Award (awarded in Nov. 2011); Attended Prime Minister's Science Prizes dinner in 2012 and 2013; 2nd Place in Explorer Challenge (Jun. 2019); 1st Place (Golden Prize) in SAIC Volkswagen Logistics Innovation Day (Sept. 2019).

Supervision: Postdocs trained 3; PhD students supervised: 12.

Research Areas: Machine Learning, Graphical Models, Computer Vision, Probabilistic Models

Grants: Total Australian Research Council (ARC) funding awarded amount: \$2,300,787. Lead (1st) Chief Investigator (CI) (2 Discovery Project, 1 DECRA): \$1,073,787. Co-CI (3 Linkage Project): \$1,227,000.

Professional Service: Assoc. Editor for Neurocomputing (past), RAccessor for ARC Projects; Reviewer for top-tier venues including IEEE Trans. on Pattern Analysis and Machine Intelligence (TPAMI), J. of Machine Learning Research (JMLR), IEEE Trans. on Neural Networks and Learning Systems (TNNLS), Int. Conf. Computer Vision (ICCV), IEEE Conf. Comp. Vision and Pattern Recognition (CVPR), Neural Info. Processing Systems (NIPS), and Int. Conf. Machine Learning (ICML).

Publications: 50+ ERA [A/A*] papers, about 90% of my total; 20 CVPR papers published. CVPR is one of the top 2 computer vision conferences globally. Over 3900 google cites, H index 25; 5 recent papers:

1. Ehsan Abbasnejad, Qi Wu, Qinfeng Shi, Anton van den Hengel, What's to know? Uncertainty as a Guide to Asking Goal-oriented Questions, CVPR 2019.
2. Ehsan Abbasnejad, Qinfeng Shi, Anton van den Hengel, Lingqiao Liu, A Generative Adversarial Density Estimator, CVPR 2019.
3. Qingsen Yan, Dong Gong, Qinfeng Shi, Anton van den Hengel, Chunhua Shen, Ian Reid, Yanning Zhang, Attention-guided Network for Ghost-free High Dynamic Range Imaging, CVPR 2019.
4. Jie Li, You Liu, Dong Gong, Qinfeng Shi, Xia Yuan, Chunxia Zhao, Ian Reid, RGBD Based Dimensional Decomposition Residual Network for 3D Semantic Scene Completion, CVPR 2019.
5. Yuhang Liu, Wenyong Dong, Lei Zhang, Dong Gong, Qinfeng Shi, Variational Bayesian Dropout, CVPR 2019.