Yuezun Li

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Education

2015–2020:	**University at Albany, State University of New York, USA** Ph.D. in Computer Science Advisor: Prof. Siwei Lyu
2012–2015:	**Shandong University, Jinan, China** M.S. in Computer Science Advisor: Prof. Xueqing Li
2008–2012:	**Shandong University, Weihai, China** B.S. in Software Engineering

Experience

2016–2018:	Summer intern at GE Global Research Center, Niskayuna, NY, USA.
2015–present:	Research assistant of University at Albany.

Preprints

1. **Hiding Faces in Plain Sight: Disrupting AI Face Synthesis with Adversarial Perturbations.** Yuezun Li, Xin Yang, Baoyuan Wu and Siwei Lyu. *arXiv:1906.09288*, 2019.

Publications

1. **Celeb-DF: A Large-scale Challenging Dataset for DeepFake Forensics.** Yuezun Li, Xin Yang, Pu Sun, Honggang Qi and Siwei Lyu. *IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020. (Acceptance rate 22%)

2. **Fast Portrait Segmentation with Highly Light-weight Network.** Yuezun Li*, Ao Luo* and Siwei Lyu. *IEEE International Conference on Image Processing (ICIP)*, 2020.

3. **Exploring the Vulnerability of Single Shot Module in Object Detectors via Imperceptible Background Patches.** Yuezun Li, Xiao Bian, Ming-Ching Chang and Siwei Lyu. *The British Machine Vision Conference (BMVC)*, 2019. (Acceptance rate 28%)

4. **Graph-to-Graph Energy Minimization for Video Object Segmentation.** Yuezun Li*, Longyin Wen*, Ming-Ching Chang and Siwei Lyu. *IEEE International Conference on Advanced Video and Signal-based Surveillance (AVSS)*, 2019. (Oral)

5. **Exposing DeepFake Videos By Detecting Face Warping Artifacts.** Yuezun Li and Siwei Lyu. *IEEE International Conference on Computer Vision and Pattern Recognition Workshop (CVPRW)*, 2019.

6. **De-identification Without Losing Faces.** Yuezun Li and Siwei Lyu. *ACM Workshop on Information Hiding and Multimedia Security (IHMMSec)*, 2019.

7. **Exposing GAN-synthesized Faces Using Landmark Locations.** Xin Yang, <u>Yuezun Li</u>, Honggang Qi and Siwei Lyu. *ACM Workshop on Information Hiding and Multimedia Security (IHMMSec)*, 2019.

8. **Exposing Deep Fakes Using Inconsistent Head Poses.** Xin Yang⋆, <u>Yuezun Li</u>⋆ and Siwei Lyu. *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, 2019.

9. **Robust Adversarial Perturbation on Deep Proposal-based Models.** <u>Yuezun Li</u>, Daniel Tian, Ming-Ching Chang, Xiao Bian and Siwei Lyu. *The British Machine Vision Conference (BMVC)*, 2018. (Acceptance rate 29.5%)

10. **In Ictu Oculi: Exposing AI Generated Fake Face Videos by Detecting Eye Blinking.** <u>Yuezun Li</u>, Ming-Ching Chang and Siwei Lyu. *IEEE International Workshop on Information Forensics and Security (WIFS)*, 2018. (Acceptance rate 32.8%)

11. **Pixel Offset Regression (POR) for Single-shot Instance Segmentation.** <u>Yuezun Li</u>, Xiao Bian, Ming-Ching Chang, Longyin Wen and Siwei Lyu. *IEEE International Conference on Advanced Video and Signal-based Surveillance (AVSS)*, 2018.

12. **UA-DETRAC 2017: Report of AVSS2017 & IWT4S Challenge on Advanced Traffic Monitoring.** Siwei Lyu, Ming-Ching Chang, Dawei Du, Longyin Wen, Honggang Qi, <u>Yuezun Li</u>, Yi Wei and et.al. *IEEE International Conference on Advanced Video and Signal-based Surveillance (AVSS)*, 2017.

13. **The Visual Object Tracking VOT2015 Challenge Results.** (as participating team). *IEEE International Conference on Computer Vision (ICCV) Workshops*, 2015.

14. **The Thermal Infrared Visual Object Tracking VOT-TIR2015 Challenge Results.** (as participating team). *IEEE International Conference on Computer Vision (ICCV) Workshops*, 2015.

Talks/Reports

1. 2020.02: Invited talk on "Detecting AI-synthesized Faces" at The 2nd annual SUNY Graduate Student Research Showcase, Albany.

2. 2020.01: Invited poster on "Detecting AI-synthesized Faces" at WGBH, Boston.

Professional Service

Journal Reviewer: IEEE Transactions on Information Forensics and Security; IEEE Transactions on Pattern Analysis and Machine Intelligence; IEEE Transactions on Neural Networks and Learning Systems;IEEE Journal of Selected Topics in Signal Processing; Signal Processing; ACM Computing Surveys; IEEE Transactions on Multimedia

Media Coverage

1. 2019.04: Our work on detecting DeepFake has been covered by Chinese National TV (CCTV). [Link]

2. 2019.02: Our work on detecting DeepFake is featured on Univision. [Link]