Chien-Feng Liao

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Education	
	• Master of Data Science, National Taiwan University (2017 ~ 2019)
	• Bachelor of Bio-Industrial Mechatronics Engineering, National Taiwan University (2011 ~ 2015)

Experience	
	• ***Research intern*** at National Institute of Information and Communications Technology (NICT), Japan (2018/7 ~ 2018/9)
	• ***Research assistant*** at Research Center for Information Technology Innovation, Academia Sinica, Taiwan (2016/8 ~ present)
	• ***Computer vision engineer*** at KINPO ELECTRONICS INC., Taiwan (2015/9 ~ 2016/8)

Skill	
	• Machine learning, deep learning
	• Speech signal processing, speech enhancement
Language	• TOEIC 975 / 990

Honors & Awards	
	• Student Travel Grants, Interspeech 2019
	• 1st place (200K TWD price), Merry Electroacoustics Thesis Award 2019
	• 1st place, ACLCLP Master Thesis Award 2019
	• Top 1 average GPA in Data Science Degree Program for the first three semesters

Publications

1. **Liao, C. F.**, Tsao, Y., Lu, X., & Kawai, H. "Incorporating Symbolic Sequential Modeling for Speech Enhancement". *Interspeech 2019*.

2. **Liao, C. F.**, Tsao, Y., Lee, H. Y., & Wang, H. M. "Noise adaptive speech enhancement using domain adversarial training". *Interspeech 2019*.

3. Fu, S. W., **Liao, C. F.**, Tsao, Y., & Lin, S. D. "MetricGAN: Generative Adversarial Networks based Black-box Metric Scores Optimization for Speech Enhancement". *ICML 2019*.

4. Fu, S. W., **Liao, C. F.**, & Tsao, Y. "Learning with Learned Loss Function: Speech Enhancement with Quality-Net to Improve Perceptual Evaluation of Speech Quality". *IEEE Signal Processing Letter*.

5. Kao, Y. Y., Hsu, H. P., **Liao, C. F.**, Tsao, Y., ... & Wang, H. M. "Automatic Detection of Speech Under Cold Using Discriminative Autoencoders and Strength Modeling with Multiple Sub-Dictionary Generation". In 2018 16th International Workshop on Acoustic Signal Enhancement (IWAENC) (pp. 416-420). IEEE.