

*Research areas: Machine Learning and Computer Vision.*

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## Education

- Sep. 2017 **Master of Data Science**, *Graduate Institute of Communication Engineering*, National Taiwan University (NTU), Taipei, Taiwan.  
– Present  
GPA: 4.3/4.3
- Aug. 2016 **Non-degree of Computer Science**, *University of Minnesota - Twin Cities*, Minneapolis, MN, USA.  
– Dec. 2016  
GPA: 3.7/4.0; Received research assistantship
- Sep. 2013 **Bachelor of Electrical Engineering & Computer Science**, *National Tsing Hua University (NTHU)*, Hsin-Chu, Taiwan.  
– Jun. 2016  
GPA: 3.84/4.3; early graduation

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## Experience

### Research

- Sep. 2017 **Graduate Research Assistant**, *Vision & Learning Lab, Graduate Institute of Communication Engineering*, National Taiwan University, Taipei, Taiwan.  
– Present  
Research area: Computer Vision. Supervised by Prof. Yu-Chiang Frank Wang.
- Feb. 2017 **Undergraduate Research Assistant**, *Mobile & Network Lab, Graduate Institute of Communication Engineering*, National Taiwan University, Taipei, Taiwan.  
– Jun. 2017  
Research area: Cyber security & Machine Learning.
- Oct. 2016 **Undergraduate Research Assistant**, *Institute for Health Informatics*, University of Minnesota-Twin Cities, MN, USA.  
– Jan. 2017  
Research area: Bioinformatics
- Summer 2015 **Research Trainee**, *Dept. Computer Science*, Fudan University, Shanghai, China.  
Research area: Data Mining

### Work

- Winter 2018 **Intern**, *Dragon Cloud AI Inc.*, San Francisco, CA, USA.  
o Built IoT devices for *Deep learning* oriented, and applied Amazon Aws API and related tools.
- Summer 2017 **Intern**, *R&D, Trend Micro Inc.*, Taipei, Taiwan.  
o Applied static analysis on malicious self-extracting samples using *Machine learning* without decompressing the files.

### Teach

- Fall 2017 **Teach Assistant**, *Course <Introduction to Programming>*, Dept. Electrical Engineering, National Taiwan University, Taipei, Taiwan.

Spring 2018 **Teach Assistant**, Course <Deep Learning for Computer Vision>, Dept. Electrical Engineering, National Taiwan University, Taipei, Taiwan.

## Publications

- 2018 **Yu-Jhe Li**, Hsin-Yu Chang, Yu-Jing Lin, Po-Wei Wu, and Yu-Chiang Frank Wang. **Deep Reinforcement Learning for Playing 2.5D Fighting Games** IEEE International Conference on Image Processing. 2018. (ICIP'18).
- 2018 **Yu-Jhe Li**, Fu-En Yang, Yen-Cheng Liu, Yu-Ying Yeh, Xiao-Fei Du, and Yu-Chiang Frank Wang. **Adaptation and Re-Identification Network: An Unsupervised Deep Transfer Learning Approach to Person Re-Identification**. IEEE Conference on Computer Vision and Pattern Recognition. Workshop 2018 (CVPR'18 Workshop).
- 2017 Yun-Chun Chen, **Yu-Jhe Li**, Aragorn Tseng, and Tsungnan Lin. **Deep Learning for Malicious Flow Detection**. IEEE International Symposium on Personal, Indoor and Mobile Radio Communications. 2017 (PIMRC'17).

## Selected Projects

- Sep. 2017 **Adversarial Attack for Malware**, Dept. Computer Science & Information Engineering,  
- Feb. 2018 National Taiwan University, Taipei, Taiwan.
  - o Utilized Reinforcement Learning and Generative Adversarial Network for attacking the antivirus software. Supervised by Prof. Shou-De Lin.
- Summer 2014 **Software Development**, Dept. Computer Science, TsingHua University, Beijing, China.
  - o Developed online basic messaging software (**in one person**), and implemented necessary functions for multiple users using Java.

## Skills

### Computer

Software PYTHON, JAVA, C++/C, MATLAB, L<sup>A</sup>T<sub>E</sub>X, R, CLOJURE, LISP  
Toolkit TENSORFLOW, PYTORCH, MXNET, KERAS

### Languages

Chinese **Mother tongue**

English **Intermediate**

*Fluent in communicative and academic aspect*

## Honors

- 2018 **Second place**, Nvidia GTC 2018 research poster competition, Taipei, Taiwan.
- 2016 **Scholarship**, Exchange program in University of Minnesota-Twin Cities, Minneapolis, MN, U.S.A.
- 2015 **Scholarship**, Research program in Fudan University, Shanghai, China.
- 2014 **Scholarship**, Training program in Tsinghua University, Beijing, China.

## Extracurricular Activities

- Sep. 2016 **Member**, IEEE (Institute of Electrical and Electronics Engineers) Student Branch in  
- Jan. 2017 University of Minnesota, MN, USA.
- Sep. 2015 **Athletic Chair**, Student Association of EECS in National Tsing Hua University, Hsin-Chu,  
- Jun. 2016 Taiwan.