Po-Chih (Brian) **Huang**

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Educations

National Taiwan University *Taipei, Taiwan*
M.S. IN COMPUTER SCIENCE & INFORMATION ENGINEERING *Sept. 2016 - Aug. 2018*
- Research focus at NLP and deep learning. Advised by Prof. Pu-Jen Cheng
- Average GPA: **4.20/4.3**

National Taiwan University *Taipei, Taiwan*
B.S. IN COMPUTER SCIENCE & INFORMATION ENGINEERING *Sept. 2012 - June 2016*
- Be the winner of the *Presidential Award* in the 2nd semester of senior year
- Last 60 GPA: **4.08/4.3**

Publications

Target Attention Network for Targeted Sentiment Analysis *Sep. 2018*
- Named as the Honorable Mention of Master Thesis Award in ACLCLP '18
- Paper can found at https://pochih.github.io/TAN.pdf

Researches

Sentiment Analysis *Python & Pytorch*
- Master thesis focus on *Targeted Sentiment Analysis*, my method reaches the latest state-of-the-art
- Survey and review sentiment analysis papers from top conferences, include but not limited to ACL / EMNLP / COLING / NIPS / AAAI
- Research repository can found at https://github.com/pochih/SA-papers

Rethink generalization of Deep Learning *Python & Keras*
- Dig deep into the generalization ability, conclude that the neural network will learn patterns first, and memorize noises later
- Research report can found at https://ntumlds.wordpress.com/2017/03/27/r05922018_drliao

Projects

Reinforcement Learning Chatbot *Python & Tensorflow*
- Train the chatbot with a seq2seq model until convergence, then leverage reinforcement learning to generate more interesting results
- **300+ stars** on Github. Code can found at https://github.com/pochih/RL-Chatbot

Image Retrieval System *Python & Pytorch*
- Extract features from a query image, represent it on a lower dimensional space, and retrieve the most similar image from database
- **300+ stars** on Github. Code can found at https://github.com/pochih/CBIR

Semantic Segmentation *Python & Pytorch*
- Reproduce CVPR 2015 best paper honorable mention, use fully convolutional networks to predict pixel-wise label of self-driving car
- **200+ stars** on Github. Code can found at https://github.com/pochih/FCN-pytorch

Employments

Microsoft *Taipei, Taiwan*
SOFTWARE ENGINEER *Sep. 2018 - Present*
- Microsoft Ads platform development

National Taiwan University *Taipei, Taiwan*
TEACHING ASSISTANT *Sep. 2017 - Feb. 2018*
- Course: *EE5184* Machine Learning, taught by Prof. Hung-yi Lee

HTC *Taipei, Taiwan*
SUMMER INTERN *Jul. 2017 - Aug. 2017*
- Implement deep learning training platform

Skills

Python	Use it for data analyzing & projects demoing
Pytorch & Tensorflow & Keras	Use it for deep learning experiments