Yuan-Hong Liao

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Research Interests

My research focuses on combining the visual and language representation through deep learning and apply it to tasks such as question answering and captioning. Recently, I've got immersed in deep reinforcement learning and eager to apply it on visual-understanding tasks.

Education

National Tsing Hua University
B.S. Degree in EE• Sep. 2013 – Present

- Advisor: Prof, Min Sun
- Academic performance: Total GPA: 4.04/4.3, Last 60 GPA: 4.06/4.3, Rank: 8/105

University of California, Davis
Extension student in international English and Professional Programs• Jul. 2015 – Aug. 2015

- I received the scholarship from my school to attend UC Davis extension program.

Professional Experience

Vision Science Lab, NTHU
Research Assistance (RA) • Dev. 2015 – Present

- Conducting research on computer vision and machine learning, advised by Prof, Min Sun
- Proficient in image/video captioning and image/video question answering

Industrial Technology Research Institute
Research Intern • Mar. 2016 – Present

- Work in Computational Intelligence Technology Center in ITRI
- Present and survey on deep reinforcement learning, and I maintain a Github repo for this.
- Apply deep reinforcement learning on various application

Umbo Computer Vision Inc.
CV/ML Intern • Jun. 2016 – Sept. 2016

- I work on grounding via natural language with my mentor, Tingfan Wu. I focus on combing vision and language, and do some data analysis.

Skills

- C/C++, Python, Lua, Matlab, Java, and Javascript
- Windows, Linux/Unix experience
- Deep learning framework: Caffe, Torch, Tensorflow
- With experience in developing Android App, embedded system

Language

- Traditional Chinese (local speaker)
- English (GEPT High Intermediate level)

Honors and Awards

Excellent student scholarship of EECS college, NTHU • *May. 2016*

- Around 8 people are granted every year (<10%)

Undergraduate research project supported by Ministry of Science and Technology, ROC

- Topic: Semantic Video Highlight Detection by Exploiting LSTMs
- From Jul. 2016 to Feb. 2017

Last update on Sept 9th, 2016