

RUO-PING DONG

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EDUCATION

National Tsing Hua University (NTHU)

Bachelor of Science degree in the Department of Electrical Engineering

Overall GPA: 3.91/4.3, Last60 GPA: 4.12/4.3, Major GPA: 4.05/4.3

Sep. 2013 – June 2017

Hsinchu, Taiwan

PUBLICATION

Leveraging Linguistic Structures for Named Entity Recognition with Bidirectional Recursive Neural Networks. *Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing.*

Peng-Hsuan Li, **Ruo-Ping Dong**, Yu-Siang Wang, Ju-Chieh Chou, Wei-Yun Ma

RESEARCH EXPERIENCE

Chinese Knowledge and Information Processing Lab, Academia Sinica

Advisor: Prof. Wei Yun Ma

July 2016 – Present

Taipei, Taiwan

- Natural language processing with deep learning
- Use the linguistic structures of texts to improve named entity recognition (surpass the state-of-the-art)
- Dialogue negotiation involving persuasiveness and its application on chatbot

Vision Science Lab, NTHU

Advisor: Prof. Min Sun

Feb. 2016 – July 2017

Hsinchu, Taiwan

- Computer vision and machine learning
- Deep learning for mobile application, especially on model compression (applied on a released mobile app)
- Multimodal applications utilizing visual data with various sensor signals
- Ubiquitous machine learning with privacy-sensitive data

HONORS AND AWARDS

Winner of Contest of Special Topics on Implementation and Scholarship

Department of Electrical Engineering, NTHU

Feb. 2017

Hsinchu, Taiwan

- Top 3 among 62 groups. Research Topic: Deep learning for Mobile Application.

Outstanding Academic Achievement Award and Scholarship

Department of Electrical Engineering, NTHU

Mar. 2016

Hsinchu, Taiwan

- Awarded to students who ranked top 5% in the whole department.

SELECTED PROJECTS

Deep Reinforcement Learning in Complex Environment *Computer Vision course project*

Use reinforcement learning to play car-racing game on TORCS. Successfully propose a DDPG model that can take high dimensional raw image pixels input with multiple sensor inputs all fused together.

PROFESSIONAL SKILLS & INTEREST

Programming Language

C/C++, Python, Matlab, MIPS, HTML, Javascript, Verilog, Arduino

Library

Tensorflow, Pytorch, Theano

Language

English (Proficient, GRE: 327/AWA 4.0, TOEFL: 109), Mandarin (Native)

Research Interest

Machine Learning, Natural Language Processing, Computer Vision

LEADERSHIP & EXTRACURRICULAR EXPERIENCE

Student Volunteer

EMNLP 2017/ IJCNLP 2017

Sep./ Nov. 2017

Copenhagen, Denmark/ Taipei, Taiwan

Publicity and artistic design department

NTHU Student Association of Department of Electrical Engineering

Sep. 2013 – June 2014

Hsinchu, Taiwan

Publicity Section Coordinator

NTHU Electrical Engineering Camp

July 2014

Hsinchu, Taiwan