Ting-Wei **Lu**

MACHINE LEARNING · NATURAL LANGUAGE PROCESSING · SOFTWARE ENGINEERING

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Education

National Taiwan University *Taipei, Taiwan*
B.S. in Engineering Science and Ocean Engineering *Sep.2016 - Aug.2020*
- GPA: 3.86

Work Experience

Academia Sinica - Chinese Knowledge and Information Processing Laboratory (CKIP) *Taipei, Taiwan*
Research Assistant (Full Time) *Aug. 2020 - Present*
- Advisor: Prof. Ma, Wei-Yun
- Dynamic Content Selection & Planning for Data-to-Text Generation

Cathay Financial Holdings *Taipei, Taiwan*
Data Scientist Intern *Jul. 2019 - Jun. 2020*
- Developed a cross-datatype unsupervised representation learning toolkit for tabular data.

National Taiwan University *Taipei, Taiwan*
Research Assistant (Part Time) *Mar. 2020 - Jun. 2020*
- Advisor: Prof. Liu, Helen K
- Scraping online job posts and analyzing their relevance against college curriculum

Teaching Assistant *Sep. 2019 - Jan. 2020*
- [EE5184] Machine Learning (2019 Fall)

Publications

[1] Kai-Ling Lo, **Ting-Wei Lu**, Tzu-Teng Weng, I-Hsuan Chen, Yun-Nung Chen. 2020. Lion-net: Lightweight ontology-independent networks for schema-guided dialogue state generation. In Dialog System Technology Challenge Workshop at AAAI.

Research

Machine Intelligence and Understanding Laboratory (Miulab) *National Taiwan University*
Advisor: Prof. Yun-Nung (Vivian) Chen *Mar. 2019 - Jun. 2020*
- Punchline Generation · Dialogue State Tracking · Chinese Character Embedding

Competitions

International

| 2019 | The 8th Dialog System Technology Challenge - Schema-Guided Dialogue State Tracking. **Ranked 20th / 26** | *DSTC8* |

Domestic

| 2019 | Self-Driving Boat In-Class Contest. **Ranked 1th / 14** | *NTU ESOE* |
| 2017 | NTU System - App Creativity Contest. **Honorable Mention** | *NTU* |

Skills

Programming Python · C++ · Java · C · SQL · Matlab

Libraries & Toolkits PyTorch · Tensorflow · Selenium · Git · Linux

Extracurricular Activities

Varsity Baseball Team *National Taiwan University*
- Member of the varsity baseball team in senior high and college.

Tutoring *Taipei, Taiwan*
- Programming · Automatic Control · Math