

Peng-Hsuan Li

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Education

- 2015–2017 **M.Sc.**, *Department of Computer Science & Information Engineering, National Taiwan University.*
– GPA 3.90/4.30, ranking 70/152
- 2011–2015 **B.Sc.**, *Department of Computer Science & Information Engineering, National Taiwan University.*
– GPA 4.08/4.30, ranking 4/111

Experience

- 2018–Current **Research Assistant**, *Institute of Information Science, Academia Sinica.*
– Named entity recognition, relation extraction
– Chinese word segmentation, part-of-speech tagging
– Knowledge graph engineering, lexical corpora creation
– Question answering
– Sentiment analysis
- 2014–2016 **QA Engineer**, *Trend Micro.*
– Application traffic scan engine
– User-awareness module of an intrusion prevention system
– TLS man-in-the-middle module of an intrusion prevention system
- 2013 **Intern Engineer**, *InfoKeyVault Technology.*
– Porting a secure, encrypting custom Windows file system to Linux virtual file system.

Publication

- 2020 **Why Attention? Analyze BiLSTM Deficiency and Its Remedies in the Case of NER.**
Peng-Hsuan Li, Tsu-Jui Fu, Wei-Yun Ma.
In Proceedings of the AAAI Conference on Artificial Intelligence (AAAI).
- 2020 **CA-EHN: Commonsense Analogy from E-HowNet.**
Peng-Hsuan Li, Tsan-Yu Yang, Wei-Yun Ma.
In Proceedings of The 12th Language Resources and Evaluation Conference (LREC).
- 2019 **GraphRel: Modeling Text as Relational Graphs for Joint Entity and Relation Extraction.**
Tsu-Jui Fu, Peng-Hsuan Li, Wei-Yun Ma.
In Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics (ACL).
- 2019 **HWE: Word Embedding with Heterogeneous Features.**
Jhih-Sheng Fan, Mu Yang, Peng-Hsuan Li, Wei-Yun Ma.
In Proceedings of 2019 IEEE 13th International Conference on Semantic Computing (ICSC).

2017 **Leveraging Linguistic Structures for Named Entity Recognition with Bidirectional Recursive Neural Networks.**

Peng-Hsuan Li, Ruo-Ping Dong, Yu-Siang Wang, Ju-Chieh Chou, Wei-Yun Ma.
In Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing (EMNLP).

2017 **CKIP at IJCNLP-2017 Task 2: Neural Valence-Arousal Prediction for Phrases.**

Peng-Hsuan Li, Wei-Yun Ma, Hsin-Yang Wang.
In Proceedings of the IJCNLP 2017, Shared Tasks.

Award

2019 **Top 2 Short Answer, Top 3 Multiple Choice, Out of 143 Teams.**

2018-2019 Formosa Grand Challenge (Chinese Spoken Question Answering).

2017 **Top 1 Arousal, Top 3 Valence Arousal Combined, Out of 13 Teams.**

The DSAP Shared Task, IJCNLP 2017.

Fall 2013 **The Presidential Award.**

National Taiwan University.

Fall 2012 **The Presidential Award.**

National Taiwan University.

Spring 2012 **The Presidential Award.**

National Taiwan University.

Teaching

Spring 2016 **Teaching Assistant**, *Department of Computer Science & Information Engineering, National Taiwan University.*

- Course: Introduction to AI.

2011-2013 **Math Tutor**, *HER-JER Math After-class School.*

- Tutoring high school students for math problem solving.

- Writing detailed solutions for term exams, college entrance exams.