Peng-Hsuan Li

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Education

2015–2017 **M.Sc.**, *Department of Computer Science & Information Engineering, National Taiwan University*.
– GPA 3.96/4.30, 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, sentiment analysis
- Reading comprehension, question answering

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 custom Windows file system to Linux virtual file system.

Publication

(submitted) **CA-EHN: Commonsense Analogy from E-HowNet**.
Peng-Hsuan Li, Tsan-Yu Yang, and Wei-Yun Ma.

(2020) **Why Attention? Analyze BiLSTM Deficiency and Its Remedies in the Case of NER**.
Peng-Hsuan Li, Tsu-Jui Fu, and Wei-Yun Ma.
To appear in AAAI.

2019 **GraphRel: Modeling Text as Relational Graphs for Joint Entity and Relation Extraction**.
Tsu-Jui Fu, Peng-Hsuan Li, and 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, and Wei-Yun Ma.
In Proceedings of the 13th IEEE 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 TOEFL-like listening comprehension QA).

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.