

Ting-Yu (Frank) Yen

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Education

University of Texas at Austin (UT-Austin)

Austin, Texas

M.S. IN COMPUTER SCIENCE

Aug. 2019 - May. 2021 (Expected)

National Taiwan University (NTU)

Taipei, Taiwan

B.S. IN COMPUTER SCIENCE (GPA: 3.61/4.3 ; Last 60 GPA: 4.13/4.3)

Sep. 2014 - Jun. 2018

- Courses: Natural Language Processing, Web Retrieval and Mining, Applied Deep Learning, Artificial Intelligence

Honors & Awards

2018 **Best Papers Award Nomination**, COLING 2018 (44/888, 5%)

Santa Fe., U.S.A

2018 **First Place**, Senior Project Contest of NTU CSIE

Taipei, Taiwan

Awarded **best** senior project (out of 16 senior projects) by faculty vote and received **\$1,000** academic scholarship.

2018 **ADBERT AI Research Award**, ADBERT CO., LTD

Taipei, Taiwan

Received **\$1,700** scholarship from ADBERT CO. due to outstanding research performance.

2018 **Academic Presidential Award**, NTU CSIE Dept. (Spring'18)

Taipei, Taiwan

This award is given to student with ranking top **5%** in class.

Experience

Bing Geocoding Team, Microsoft

Taipei, Taiwan

SOFTWARE ENGINEERING INTERN

Sep. 2017 - Jun. 2018

- Upgraded vital **APIs** to internal platforms with intensive timeline, and presented my works during cross-country conference calls.
- Designed and built-up workflow and pipelines of a testing tool, reducing over **40%** of engineers' testing time.
- Implemented new features and revamped layouts to increase user experience of internal testing tools, and received positive feedback.

International Business Machines (IBM)

Taipei, Taiwan

SOFTWARE ENGINEERING INTERN

Jul. 2017 - Aug. 2017

- Modified back-end of a product from pipeline to **parallel** workflow by Celery and improved its performance by more than **50%**.
- Designed and constructed an entire **back-end workflow** that is responsible for a gigantic log parsing product with RabbitMQ, and deployed this feature to **docker**.
- Added python coding style linter into their continuous integration pipeline to maintain coding style consistency for the whole team.

InfoFab, Inc.

Taipei, Taiwan

SOFTWARE ENGINEERING INTERN

Sep. 2016 - Dec. 2016

- Constructed a business process management program for leave and reimbursement application with an open-source software.
- Integrated BPM program to the **cloud system** and completed the production test.
- Fully participated in project management process, from spec discussion, production demo, and final report with the president and the software manager of the company.

Natural Language Processing Laboratory, National Taiwan University

Taipei, Taiwan

RESEARCH ASSISTANT

Sep. 2016 - Feb. 2019

- Presented a generalized model from existing sense retrofitting model and outperformed previous approaches by **3%** in experiments.
- My research interest is **ontology embedding**, especially published a sense embedding study on COLING. #Ref: <https://reurl.cc/NVaYx>
- Papers accepted by COLING18, WWW18, CIKM17. Journal accepted by JASIST.

Publications

[1] Y.-Y. Lee*, **T.-Y. Yen***, H.-H. Huang, Y.-T. Shiue, and H.-H. Chen. "GenSense: A Generalized Sense Retrofitting Model." in Proceedings of the 27th International Conference on Computational Linguistics (COLING 2018), Aug. 2018. (acceptance rate: 37%)

[2] **T.-Y. Yen***, Y.-Y. Lee*, H.-H. Huang, and H.-H. Chen. "That Makes Sense: Joint Sense Retrofitting from Contextual and Ontological Information." in Proceedings of the Web Conference 2018 (WWW 2018), poster, Apr. 2018. (acceptance rate: 34%)

[3] Y.-Y. Lee, **T.-Y. Yen**, H.-H. Huang, and H.-H. Chen. "Structural-fitting Word Vectors to Linguistic Ontology for Semantic Relatedness Measurement." in Proceedings of the 26th ACM international conference on Conference on information & knowledge management (CIKM 2017), short paper, Nov. 2017. (acceptance rate: 28%)

p.s. * indicates equal contribution