

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 (A+), Web Retrieval and Mining (A+), Applied Deep Learning (A+), Artificial Intelligence (A)

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

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.

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.

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