I-TA LEE

Research Scientist | Natural Language Processing

@ doug919@gmail.com   ☎ (765)586-5120   📍 California, USA

🔗 https://doug919.github.io   in https://www.linkedin.com/in/i-ta-lee-ab753172/

WORK EXPERIENCE

Research Scientist **Facebook**

📅 Dec. 7 2020 – present   📍 Menlo Park, CA, USA

- User representation learning for improving FB Ads Recommendation System.

Software Engineer Intern **Facebook, Ads Rankning**

📅 May 20 2019 – Aug. 9 2019   📍 Menlo Park, CA, USA

- Model users' purchase intent and build visualization

Software Developer Intern **Hewlett Packard Enterprise**

📅 May 22 2017 – Aug. 11 2017   📍 Sunnyvale, CA, USA

- Insider threat detection on netflow data.

Senior Software Engineer **TrendMicro Inc.**

📅 Oct. 1 2013 – Sep. 30 2014   📍 Taipei, Taiwan

- Developed system software for detecting Advanced Persistent Threat.

Senior Software Engineer **Moxa Inc.**

📅 Oct. 1 2010 – Sep. 30 2013   📍 New Taipei City, Taiwan

- Developed firmware/software for networking devices.

ACADEMIC EXPERIENCE

Research and Teaching Assistant **Purdue University**

📅 Aug. 24 2015 – Dec. 6 2020   📍 West Lafayette, IN, USA

- Teaching: OOP in Java, C Programming, Deep Learning
- Research: NLP for Narrative Event Knowledge

Research Assistant **Academia Sinica**

📅 Jan. 5 2015 – July 31 2015   📍 Taipei, Taiwan

- NLP for Emotion Analysis

SELECTED PUBLICATIONS

- I-Ta Lee, Maria L. Pacheco, and Dan Goldwasser, "Modeling Human Mental States with an Entity-based Narrative Graph," NAACL (2021)
- I-Ta Lee, Maria Pacheco, and Dan Goldwasser, "Weakly-Supervised Modeling of Contextualized Event Embedding for Discourse Relations," EMNLP: Findings (2020)
- I-Ta Lee, and Dan Goldwasser, "Multi-Relational Script Learning for Discourse Relations," ACL (2019)
- I-Ta Lee, and Dan Goldwasser, "FEEL: Featured Event Embedding Learning," AAAI (2018)
- I-Ta Lee, et al., "PurdueNLP at SemEval-2017 task 1: Predicting Semantic Textual Similarity with Paraphrase and Event Embeddings," Proc. Of SemEval (2017)

PERSONAL STATEMENT

I am passionate about solving problems with NLP techniques, pursuing my career as a professional scientist and engineer.

EDUCATION

Purdue University, PurdueNLP Lab

PhD, Computer Science, GPA 3.82/4

📅 2015 - 2020   📍 West Lafayette, IN, USA

- Areas: NLP, Computational Linguistics, Commonsense Modeling from Text
- Thesis: Commonsense Knowledge Representation and Reasoning in Statistical Script Learning

National Tsing Hua University

MS, Computer Science, GPA 4/4

📅 2008 - 2010   📍 Hsinchu, Taiwan

- Areas: Computer Networks
- Thesis: A Cooperative Multicast Routing Protocol for Mobile Ad Hoc Networks

Yuan Ze University

BS, Computer Science and Engineering, GPA 3.96/4

📅 2004 - 2008   📍 Taoyuan, Taiwan

SKILLS

Skill	Level
C/C++	●●●●●
Python	●●●●●
Java	●●●●○
Shell Scripts	●●●●○
SQL	●●●●○

HONORS

Awards 🏆

- Honorary Member of the Phi Tau Phi Scholastic Honor Society
- Presidential Awards from Yuan Ze University (ranked 1/126)
- Certificate of Outstanding Achievement in IEEE Yuan Ze University Student Branch

Scholarship 🏛

- Bilsland Dissertation Fellowship (Purdue 2020)
- Student Scholarship Program (AAAI 2018)
- Great Academic Achievement Scholarship from Yuan Ze University, OKWAP, LiMing Corporation, and Taipei Zhung Zhen Foundation