# I-TA LEE

**Software Engineer | Natural Language Processing Scientist**

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🔗 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

- Ads Core ML; User Representation Learning

### Software Engineer Intern  Facebook, Ads Rankning

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

- Modeling Purchase Intent and Building Visualization Infra

### Software Developer Intern  Hewlett Packard Enterprise

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

- Threat detection on netflow data.

### Senior Software Engineer  TrendMicro Inc.

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

- Developed solution modules for 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: Deep Learning, OOP in Java, C Programming
- Research: Natural Language Processing

### Research Assistant  Academia Sinica

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

- Research Natural Language Processing and 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, and I pursue my career as a NLP scientist and engineer.*

## EDUCATION

### Purdue University, PurdueNLP Lab

**PhD, Computer Science, GPA 3.82/4**

📅 2015 - 2020    📍 West Lafayette, IN, USA

- Natural Language Processing, Computational Linguistics, Commonsense Modeling

### National Tsing Hua University

**MS, Computer Science, GPA 4/4**

📅 2008 - 2010    📍 Hsinchu, Taiwan

- Wireless Mobile Networking Laboratory
- Master Thesis: A Cooperative Multicast Routing Protocol for Mobile Ad Hoc Networks

### Yuan Ze University

**BS, Computer Science and Engineering, GPA 3.96/4**
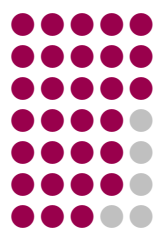
📅 2004 - 2008    📍 Taoyuan, Taiwan

## SKILLS

| Skill | Level |
|---|---|
| C/C++ | ●●●●● |
| Python | ●●●●● |
| Git | ●●●●● |
| Java | ●●●●○ |
| Shell Scripts | ●●●●○ |
| SQL | ●●●●○ |
| PHP | ●●●○○ |

## 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