I-TA LEE

Software Engineer | Natural Language Processing | Machine Learning Scientist

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

WORK EXPERIENCE

Machine Learning PhD Intern
Facebook, Ads Rankning

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

- Modeling Purchase Intent and Visualization Backend/Frontend

Research Intern
Hewlett Packard Enterprise

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

- Threat detection on netflow data using LSTM with Attention.

Senior Software Engineer
TrendMicro Inc.

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

- Developed core modules for Advanced Persistent Threat.

Senior Software Engineer
Moxa Inc.

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

- Developed core modules for Advanced Persistent Threat.

SELECTED PUBLICATIONS

- 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)
- Kristen Johnson, I-Ta Lee, and Dan Goldwasser, "Ideological Phrase Indicators for Classification of Political Discourse Framing on Twitter," NLP+CSS (2017)
- I-Ta Lee, et al., "PurdueNLP at SemEval-2017 task 1: Predicting Semantic Textual Similarity with Paraphrase and Event Embeddings," Proc. Of SemEval (2017)
- Maria L. Pacheco, I-Ta Lee, et al., "Adapting Event Embeddings for Implicit Discourse Relation Recognition," CONLL (2016)

PROJECTS

Modeling Purchase Intent for Ads Ranking

- For FB offsite conversion model, we generate -0.023 calibration gap on 17.34% of the data

Multi-Relational Script Learning for Discourse Relations

- slides: `http://bit.ly/2GPjgwj`
- Reconsider relationships between script events.

FEEL: Featured Event Embedding Learning

- slides: `http://bit.ly/2T6DiaN`
- A general model that injects features into event embeddings

Predicting Semantic Textual Similarity with Paraphrase and Event Embeddings

- poster: `http://bit.ly/2YPfxW0`

PERSONAL STATEMENT

I am passionate about solving NLP problems, and pursue my career as a machine learning scientist and software engineer.

EDUCATION

Purdue University, PurdueNLP Lab
PhD, Computer Science, GPA 3.95/4

📅 2015 - present   📍 West Lafayette, IN, USA

- Natural Language Processing, ML
- Event Embeddings, Commonsense Modeling, Script Learning, Storylines

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

- **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 🏛

- Student Scholarship Program from AAAI 2018
- Great Academic Achievement Scholarship from Yuan Ze University, OKWAP, LiMing Corporation, and Taipei Zhung Zhen Foundation