

Isabelle Lee

December 2023

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Education

Ph.D., Computer Science, University of Southern California	2023 -
Area: Natural Language Processing, Machine Learning	
Advisor: Dani Yogatama	
M.S., Aeronautics and Astronautics, University of Washington	2017
B.S., Physics and Math, College of William & Mary	2014

Professional Experience

Research Engineer	
Language Technologies Institute, Carnegie Mellon University	2021 - 2023
Research Scientist	
Amazon Alexa, Natural Language Understanding	2018 - 2021

Publications

Preprints

- 2023 [2] SCORE: A framework for Self-Contradictory Reasoning Evaluation. Ziyi Liu, **Isabelle Lee**, Yongkang Du, Soumya Sanyal, Jieyu Zhao. Arxiv.
- 2023 [1] On Retrieval Augmentation and the Limitations of Language Model Training. Ting-Rui Chiang, Xinyan Velocity Yu, Joshua Robinson, Ollie Liu, **Isabelle Lee**, Dani Yogatama. Arxiv.

Conference Proceedings

- 2021 [4] GupShup: An Annotated Corpus for Abstractive Summarization of Open-Domain Code-Switched Conversations. Mehnaz, Laiba*, Debanjan Mahata*, Rakesh Gosangi*, Uma Sushmitha Gunturi*, Riya Jain, Gauri Gupta, Amardeep Kumar, **Isabelle Lee**, Anish Acharya, and Rajiv Ratn Shah. EMNLP, 2021.
- 2020 [3] Converting the Point of View of Messages Spoken to Virtual Assistants. **Isabelle Lee**, Vera Zu, S. Buddi, D. Liang and Jack G. M. FitzGerald. Findings of EMNLP, 2020.
- 2013 [2] Feshbach Resonances in Ultracold Atoms. **Isabelle Lee**. American Physical Society, 2013.
- 2013 [1] Minimal ad-hoc screening coefficient from RMP x-point lobe structures in MAST. **Isabelle Lee**, Saskia Mordijck, Andrew Kirk, James Harrison. American Physical Society, 2013.

Symposia and Workshops

- 2023 [2] Does LLM reasoning support prediction? A case study on self-contradictory reasoning. Ziyi Liu, Yongkang Du, **Isabelle Lee**, Soumya Sanyal, Jieyu Zhao. SoCal NLP 2023.
- 2020 [1] Converting the Point of View of Messages Spoken to Virtual Assistants. **Isabelle Lee**. First Workshop on Computational Approaches to Discourse at EMNLP 2020.

Awards and Honors

- 2023 - 2024 Viterbi School of Engineering Fellowship
- 2014 - 2015 Theodore and Marie Sarchin Endowed Fellowship
- 2013 SUNY Stony Brook Research Travel Grant
- 2013 William & Mary Student Leadership Travel Grant

Teaching Experience

Engineering Statics, Teaching Assistant (University of Washington)

2014-2015

Skills

Programming Languages

Proficient in: Python, Matlab, Fortran

Familiar with: Java, C++

Tools

ML: PyTorch, TensorFlow, OpenNMT, OpenCV, CoreNLP.

Deployment: AWS, Docker

Database: SQL, MongoDB, LMDB

General: Bash

Languages

English (bilingual), Korean (bilingual),

Spanish (intermediate), German (intermediate)

Reference

Available upon request.