

Shuyang Li

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EDUCATION

University of California, San Diego, San Diego, CA

MS 2021, PhD *exp.* 2022

Advisor: Dr. Julian McAuley

Area: Computer Science and Engineering, Machine Learning

Princeton University, Princeton, NJ

BSE (*cum laude*) 2016

Major: Operations Research and Financial Engineering

GPA: 3.71

Thesis: *Exploring Rich Features for Sentiment Analysis with Various Machine Learning Models*

SELECTED PUBLICATIONS (* indicates equal contribution)

Li, S., Majumder, B., McAuley, J. (2021). Self-Supervised Bot Play for Conversational Recommendation with Justifications. *arXiv Computing Research Repository preprint arXiv:2112.05197 (CoRR)*.

Li, S.*, Mao, H.*, McAuley, J. (2021). Variable Bitrate Discrete Neural Representations via Causal Self-Attention. *NeurIPS Workshop on Pre-Registration in ML*.

Li, S., Li, Y., Ni, J., McAuley, J. (2021). SHARE: a System for Hierarchical Assistive Recipe Editing. *arXiv Computing Research Repository preprint arXiv:2105.08185 (CoRR)*.

Li, S., Cao, J., Sridhar, M., Zhu, H., Li, D., Hamza, W., McAuley, J. (2021). Zero-shot Generalization in Dialog State Tracking through Generative Question Answering. *European Chapter of the Association for Computational Linguistics (EACL)*.

Majumder, B.*, Li, S.*, Ni, J., McAuley, J. (2020). Interview: Large-scale Modeling of Media Dialog with Discourse Patterns and Knowledge Grounding. *Empirical Methods in Natural Language Processing (EMNLP)*.

Li, S. and McAuley, J. (2020). Recipes for Success: Data Science in the Home Kitchen. *Harvard Data Science Review*.

Mao, H., Li, S., McAuley, J., Cottrell, G. (2020). Speech Recognition and Multi-Speaker Diarization of Long Conversations. *INTERSPEECH*

Majumder, B.*, Li, S.*, Ni, J., McAuley, J. (2019). Generating Personalized Recipes from Historical User Preferences. *Empirical Methods in Natural Language Processing (EMNLP)*.

Huang, D., Li, S., Dhaka, A., Story, G.M. and Cao, Y.Q. (2012). Expression of the transient receptor potential channels TRPV1, TRPA1 and TRPM8 in mouse trigeminal primary afferent neurons innervating the dura. *Molecular Pain*, 8 (1), 66–85.

HONORS & AWARDS

Winner, Qualcomm Innovation Fellowship

2020-2021

“Toward Personalized and Multimodal Conversational Recommender Systems”

Finalist, Amazon Alexa Prize SocialBot Grand Challenge 3 (UCSD Team)

2019-2020

Nominated, Two Sigma Fellowship (1 of 3 from UCSD)

2019

Departmental Fellowship (UCSD CSE)

2018-2019

RESEARCH & WORK EXPERIENCE

University of California San Diego

September 2018-Present

Graduate Student Researcher

Salesforce Research

October 2021-January 2022

Research Intern (PhD)

Amazon, Alexa Natural Language Understanding <i>Applied Scientist Intern (PhD)</i>	June 2021-October 2021
Amazon, Alexa Natural Language Understanding <i>Applied Scientist Intern (PhD)</i>	June 2020-October 2020
Google, Kaggle Datasets (Google Cloud AI) <i>Software Engineering Intern (PhD)</i>	June 2019-September 2019
Bloomberg, Structured Products Waterfall <i>Senior Software Engineer</i>	June 2017-September 2018
Goldman Sachs, Operations Automation and Analytics Technology <i>Technology Analyst</i>	July 2016-June 2017
Princeton University, Senior Thesis Research <i>Senior Thesis Research</i>	September 2015-May 2016
Goldman Sachs, Operations Analytics Strategies <i>Summer Analyst</i>	June 2015-August 2015
Princeton Laboratory for Energy Systems Analysis / CASTLE Lab <i>Summer Research Intern</i>	June 2014-August 2014

INVITED TALKS

Qualcomm, on: <i>Personalized and Multimodal Conversational Recommendation</i>	September 2021
Amazon, on: <i>Generalizable Dialog State Tracking</i>	August 2020

PROGRAM COMMITTEE & REVIEWER

ACL Rolling Review, NeurIPS, ICLR, ICML, EMNLP, NAACL-HLT, WWW, RecSys, KDD, AAAI, INLG