

EDUCATION

University of Southern California

PhD in Computer Science, Natural Language Processing

Honors: Amazon Fellowship, 2024-2025

Advisor: Xiang Ren

Los Angeles, CA

Sep 2022 - Present

Princeton University

M.S.E. in Computer Science

Honors: Siebel Scholars, Class of 2022

Advisor: Danqi Chen

Princeton, NJ

Sep 2020 - May 2022

Wellesley College

B.A in Computer Science / Cognitive and Linguistic Sciences

Honors: Sigma Xi Scientific Research Honor Society; Durant Scholars *magna cum laude*

Wellesley, MA

Sep 2016 - May 2020

RESEARCH EXPERIENCE

University of Southern California

*Natural Language Processing with **Xiang Ren***

- **Research Direction:** Memorization and generalization in low-probability domain

Los Angeles, CA

Sep 2022 - Present

Allen Institute of Artificial Intelligence, Mosaic

*Natural Language Processing with **Yejin Choi***

- **Research Direction:** Multicultural bias in large language models; Longtail data mining construction

Seattle, WA

May 2023 - March 2024

Princeton University

*Natural Language Processing with **Danqi Chen***

- **M.S.E. Thesis:** Re-evaluating Conversational Question Answering

Princeton, NJ

Sep 2020 - May 2022

Wellesley College

*Human Crowdsensing with **Christine Bassem***

- **Thesis:** Spatio-Temporal Analysis and Simulation of Human Trajectories in Urban Environments [\[pdf\]](#)

Wellesley, MA

Sep 2018 - May 2020

PUBLICATIONS

In Search of the Long-Tail: Systematic Generation of Long-Tail Inferential Knowledge via Logical Rule Guided Search

Huihan Li, Yuting Ning, Zeyi Liao, Siyuan Wang, Xiang Lorraine Li, Ximing Lu, Wenting Zhao, Faeze Brahman, Yejin Choi, Xiang Ren

EMNLP 2024

[\[pdf\]](#) [\[code\]](#)

CULTURE-GEN: Revealing Global Cultural Perception in Language Models through Natural Language Prompting

Huihan Li, Liwei Jiang, Jena D. Hwang, Hyunwoo Kim, Sebastin Santy, Taylor Sorensen, Bill Yuchen Lin, Nouha Dziri, Xiang Ren, Yejin Choi

COLM 2024

[\[pdf\]](#) [\[code\]](#)

Ditch the Gold Standard: Re-evaluating Conversational Question Answering

Huihan Li*, Tianyu Gao*, Manan Goenka, Danqi Chen

ACL 2022

Outstanding Paper Award

[\[pdf\]](#) [\[code\]](#)

Controllable Text Generation with Language Constraints

Howard Chen, **Huihan Li**, Danqi Chen, Karthik Narasimhan

arxiv, 2022

[\[pdf\]](#)

INTERNSHIP EXPERIENCE

Apple, AI/ML

AI/ML Intern, Answers and Web Ranking Team, AI/ML Information Intelligence

Seattle, WA

May 2022 – Aug 2022

- Collected annotation data for training **multilingual question answering systems**
- Implemented **multilingual LUKE** model in **Flax**
- Wrote trainer pipeline and trained multilingual extractive question answering model with **TensorFlow** and **JAX**

Google

Software Engineering Intern

Pittsburgh, PA

May 2019 – Aug 2019

- Designed, implemented and tested an **end-to-end dialog feature** for price queries on Google Assistant devices
- Created **natural language understanding grammar** that recognizes user intent to ask for price and extract key information from query

Seedlink Technology

Linguistic Research Intern

Shanghai, China

Jun 2017 – Aug 2017

- Researched on **extracting linguistic features** from written text that correlated with human personality
- Improved the **segmentation** accuracy of in-house Chinese dictionary model by 11% by creating more accurate user dictionary

SKILLS

- **Frameworks:** PyTorch, Jax, Flax, TensorFlow, CUDA, Pandas, NumPy
- **Annoation:** Amazon Mechanical Turk, Prolific
- **Languages:** Python, Java, C, C++, Assembly, Racket, Standard ML, HTML, CSS
- **DevOps:** Amazon Web Services, Microsoft Azure, Git

SERVICES

- **Reviewing:** COLING 2024, ACL 2024, EMNLP 2024, COLING 2025, ICLR 2025, ARR August 2024

TEACHING

Princeton University, Computer Science

Teaching Assistant

Princeton, NJ

Sep 2020 – May 2022

- Led Discussion Sessions and graded assignments for Princeton's undergraduate course COS217, Introduction to Programming Systems.

Wellesley College, Computer Science

Tutor & Grader

Wellesley, MA

Jan 2018 – Dec 2019

- Led Office Hours and graded assignments for Wellesley's undergraduate course CS230, Data Structures, and CS235, Theory of Computation.