

EDUCATION

University of Southern California

PhD in Computer Science, Natural Language Processing

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

Allen Institute of Artificial Intelligence, Mosaic

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

- **Research Direction:** Multicultural bias in large language models

Seattle, WA

May 2023 - Present

University of Southern California

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

- **Research Direction:** Longtail knowledge reasoning data construction

Los Angeles, CA

Sep 2022 - Present

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

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

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

Huihan Li, Liwei Jiang, Jena D. Hwang, Hyunwoo Kim, Sebastin Santy, Taylor Sorensen, Bill Yuchen Lin, Nouha Dziri, Xiang Ren, Yejin Choi
arxiv, 2024

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

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

Huihan Li, Yuting Ning, Zeyi Liao, Siyuan Wang, Xiang Lorraine Li, Ximing Lu, Wenting Zhao, Faeze Brahman, Yejin Choi, Xiang Ren
arxiv, 2023

Ditch the Gold Standard: Re-evaluating Conversational Question Answering

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

Huihan Li*, Tianyu Gao*, Manan Goenka, Danqi Chen
ACL 2022
Outstanding Paper Award

Controllable Text Generation with Language Constraints

[\[pdf\]](#)

Howard Chen, **Huihan Li**, Danqi Chen, Karthik Narasimhan
arxiv, 2022

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, ARR 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.