

Xiyang Zhang

✉ xiyangzh@usc.edu

🌐 juvezxy.github.io

☎ (412) 576-9308

EDUCATION

University of Southern California

Viterbi School of Engineering

Ph.D. in Computer Science

August 2019 - present

GPA: 4.0

Carnegie Mellon University

Language Technologies Institute,

School of Computer Science

M.S. in Language Technologies

August 2017 - August 2019

GPA: 3.93

Carnegie Mellon University

B.S. in Mathematical Sciences

B.S. in Computer Science

August 2013 - May 2017

GPA: 3.96

SKILLS

Programming

Languages:

Python, C, Java, Standard ML,
OCaml, SQL, HTML, JavaScript,
MATLAB, Maple, LaTeX

Frameworks:

PyTorch, Django, AngularJS, Ionic

Languages

English, Mandarin Chinese

COURSEWORK

Advanced Analysis of Algorithms

Machine Learning

Language and Statistics

Neural Networks for NLP

Multimodal Machine Learning

Compiler Design

Distributed Systems

Database Applications

HONORS

Dean's List, High Honors ('13 - '17)

AIME test qualified for USAMO ('12)

EXPERIENCE

Information Sciences Institute, USC

Graduate Research Assistant

August 2019 – present

Marina del Rey, CA

- Performed directed research on NLP problems, more specifically on event schema induction.

Department of Computer Science, USC

Teaching Assistant

August 2022 – present

Los Angeles, CA

- Teaching assistant for graduate Algorithms course.

Language Technologies Institute, CMU

Graduate Research Assistant

August 2017 – August 2019

Pittsburgh, PA

- Performed directed research on NLP problems.
- Worked on Question Answering and Event Relation Extraction.

NERC on Accessible Public Transportation

Programmer and Research Intern

May 2016 – Aug 2016

Pittsburgh, PA

- Rebuilt the codebase of Tiramisu, a crowd-powered real-time transit information app, using Angular 2, Ionic 2 and Java.
- Used machine learning methods to predict user behaviors.

PUBLICATIONS

Saliency-Aware Event Chain Modeling for Narrative Understanding

In Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing, pages 1418-1428

Xiyang Zhang, Muhao Chen, and Jonathan May

RESEARCH & PROJECTS

Event Schema Induction

Investigating unsupervised event schema induction, incorporating pattern mining and clustering techniques to extract event patterns.

Event Relation Extraction

Worked on detecting chronological relations of events in text. Investigated how to utilize larger-scale data from wider domain by extracting events and training statistical script model on them.

Generative Question Answering

Built an end-to-end neural model for generative QA by extending a baseline seq2seq model, and achieved improvement over the state-of-the-art model on the MS MARCO dataset.