

Shufan Mao

University of Illinois at Urbana-Champaign , IL, United States, 61801
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Education

Beijing Institute of Technology

Beijing, China
Sep. 2011- Jun. 2015

University of California, Berkeley

- Study as a visiting student

Sep. 2014- May 2015

University of Illinois at Urbana-Champaign

- Phd Student in Mathematics
- Phd Student in Psychology

Sep. 2015- August 2019
Aug. 2019-

Bachelor of Science in Mathematics

Jun. 2015

Master of Science in Mathematics

Aug. 2018

Master of Science in Psychology

Jun. 2021

Research Interests

Semantic Memory, Meaning Representation, Knowledge Representation, Network Modeling

Invited Talks and Conference Poster Presentations

Poster Presentation: Compositional Generalization in a Graph-based Model of Distributional Semantics, at the 44th Annual Meeting of the Cognitive Science Society

July 2022/Toronto, Canada

Poster Presentation: Spatial vs. Graphical Representation of Distributional Semantics, at the 42nd Annual Meeting of the Cognitive Science Society

July 2020/Virtual

Publications

Mao, S., Huebener, P.A., Willits, J.A. Compositional Generalization in a Graph-based Model of Distributional Semantics. *Proceedings of the 44th Annual Conference of the Cognitive Science Society*. (pp. 1993-1999)

Mao, S., Huebener, P.A., Willits, J.A. (under review). Spatial vs. Graphical Representation of Distributional Semantic Knowledge.

Internships

PI4 Scientific Internship in Learning and Language Lab at UIUC

Instructor: Assistant Professor Jon Willits

- Programming simulation in project 'Human', simulation of a mini world and generate an artificial language basing on the world event
- Attending the 41st Annual Meeting of the Cognitive Science Society held in Montreal

Jun. 2019 – Aug. 2019/Champaign, IL

PI4 Scientific Internship in Language Acquisition Lab at UIUC

Instructor: Professor Cynthia Fisher

- Running behavioral studies, processing experiment data

Jun. 2017 – Aug. 2017/Champaign, IL

Teaching Experience

Math Teaching Assistant at UIUC

Courses participated as teaching assistant:

- Math115: Preparation for Caculus
- Math285/286: Differential Equations
- Math444: Elementary Real Analysis
- Math461: Probability Theory (undergraduate)
- Math489: Dynamics and Differential Equations
- Math561: Probability Theory I
- Math564: Stochastic Process

Psychology Teaching Assistant at UIUC

Courses participated as teaching assistant:

- Psyc224: Cognitive Psychology
- Bcog200: Introduction to Programming for Brain & Cognitive Science
- Psyc100: Intro Psych

Other Information

Programming and Software: Python, C

Language: Native in Chinese

Fluent in English

Basic in Japanese

Nationality: People's Republic of China

Permanent Residency: People's Republic of China

United States of America