

EDUCATION

- **Shanghai Jiao Tong University** Shanghai, China
Bachelor of Arts in Linguistics; GPA: 3.78 (88.5/100) Sep. 2020 – June. 2024

Selected Coursework: Syntax (97/100), Language and Cognition (93/100), Language Data and Python Techniques (92/100), Reinforcement Learning (95/100), Algorithm (97/100), Machine Learning (A)

SKILLS

- **Programming:** Python, C++, L^AT_EX, SPSS, Linux Shell, Git, Pandas, Numpy, scikit-learn
- **Language Skills:** English (proficient), Spanish (DELE B1), Japanese (intermediate), Mandarin (native)
- **English Proficiency:** TOEFL 106 (L27 S23 R30 W26), GRE 325 (V156 Q169)

PROJECTS

- **Exploring Sentence Comprehension with Algorithmic-level Model** April 2023 - Present
Ohio State University, Columbus, OH
 - **Corpora Processing:** Annotated geco and provo with modelblocks and run regression experiments.
- **Examining Identifiability of AIGC with SVM** Feb 2023 - July 2023
Shanghai Jiao Tong University, Shanghai
 - **Linguistic Analysis:** Analyzed the linguistic features with translationese with visualized violin plots
 - **Feature Engineering:** Conducted feature engineering to extract meaningful features from the essays, contributing to the SVM model's performance.
 - **Classification Task:** Applied the SVM model to classify essays with an accuracy of 95.14%.
 - **Collaborative Research:** Co-authored an academic paper on the project with teammates.
- **Comparative Analysis of Reinforcement Learning Algorithms** Feb 2023 - June 2023
Shanghai Jiao Tong University, Shanghai
 - **Algorithm Implementation:** Implemented DQN, Dueling-DDQN, DDPG, and TD3 algorithms for reinforcement learning projects.
 - **Evaluation and Comparison:** Evaluated algorithm performance and effectiveness using Atari game environments and Mujoco simulated control tasks.
 - **Hyperparameter Optimization:** Increased the agents' score by 10.26% by trickery modification on coding and hyperparameter setting, such as epsilon decay, gradient clipping and weight initialization.
- **The Perception of Event Boundaries Among Chinese Speaking Young Adults** Sep 2022 - Feb 2023
Shanghai Jiao Tong University, Shanghai
 - **Literature Review:** Conducted an extensive review of existing literature on the perception of event boundaries among young Chinese individuals, ensuring a comprehensive understanding of the topic.
 - **Experimental Design:** Designed and developed behavioral experiments to investigate the perception of event boundaries, carefully defining experimental protocols and variables.
 - **Material Preparation:** Recording live-action videos as materials for event segmentation experiments.
 - **Production Coding and Data Analysis:** Preprocessed the data with Pandas library and conducted statistical significance analysis with SPSS 25.0.
- **Evaluating Intelligent Chatting Applications from Linguistic Perspective** Aug 2021 - Dec 2021
Shanghai Jiao Tong University, Shanghai
 - **Experimental Design:** Designed questions to elicit the agent's response for evaluation.
 - **Linguistic Analysis:** Conducted comprehensive linguistic analysis on the generated words, examining aspects such as grammar, syntax, semantics, pragmatics, and overall linguistic quality.
 - **Paper Publication:** Authored and published a research paper based on the findings.