

# ZIYANG ZHAN

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[Github](#) | [Linkedin](#)

## EDUCATION

University of Illinois at Urbana-Champaign  
**Master of Computer Science**

Champaign, IL  
expected December 2022

University of South Carolina  
**Master of Hospitality and Tourism Management**

Columbia, SC  
January 2019 -- December 2020

Jiangxi Normal University  
**Bachelor of Software Engineering**

Jiangxi, China  
September 2011 -- May 2015

## HONORS

ESD Honor (Hospitality and Tourism Students for Outstanding Academic Achievement)  
Outstanding Graduates Awards, JNU

September 2020  
May 2015

## RELATED EXPERIENCE

University of Illinois at Urbana-Champaign  
Semantic Chatbot ([link](#))

Champaign, IL  
October 2021 -- December 2021

- Collected 1.6 Tweets dataset from Twitter.
- Trained semantic analysis models, including Logistic Regression, GaussianNB, Decision Tree Classifier, and Random Forest Classifier. And picked the Logistic Regression because of its the highest accuracy.
- Integrated functions: misspelling correction, translation, GUI interface, and question-response.
- Achieving analyzing users' emotion (natural, positive, and negative), and giving corresponding responses based on the semantic analysis.

Data Visualizing Project

June 2021 -- August 2021

- Achieving JavaScript ([link](#)) and Tableau ([link](#)) to visualize various data sets (age, life expectancy, human development index, crime rate, and inflation rate) of 180 countries in the past 30 years respectively.

## ADDITIONAL EXPERIENCE

Hong Kong Polytechnic University

Hong Kong

**Research Assistant (Data Analyst)**

February 2022 --

- Providing technical supports on the research team (led by Prof. Cathy Hsu), including scarpering data from Twitter, Instagram, Facebook, and Ctrip.
- Training machine learning models for semantic analysis.

University of South Carolina

Columbia, SC

**Academic Tutor**

September 2019 -- December 2020

- Assisted 50 international students in Quantitative Methods course with utilizing statistical methods, Excel, SPSS, R statistical software, with 85% of international students receiving an A in Quantitative Methods course
- Help international students adapt to the academic course and improve class performances, so the international students are more likely to share opinions in class and more confident to complete the master's degree

## SKILLS

Proficient English, Native Mandarin

C++, Python, JavaScript

Tableau, SPSS, Mplus