KEYING JIA

+1 5163880712 | keying.jia@stonybrook.edu | East Setauket, NY 11733

EDUCATION

Stony Brook University   **Stony Brook, New York**
Information System/BS
Specialization in System & Network Administration   *08/2023- 05/2025*
- GPA: 3.78/4

Anhui University   **Hefei, China**
Digital Media Technology/BS   *09/2021- 07/2023*
- GPA: 4.03/5

PROFESSIONAL EXPERIENCE

Stealth   **Remote**
Software Development Intern   *05/2024 – 07/2024*
- Conducted market comparison of an entity and its competitors using SWOT analysis to understand and analyze a company's competitive advantages and disadvantages in the market
- Scrapped data from web pages using Python and employed HTML and D3.js to visualize data on company names and types and create pie charts

RESEARCH & PROJECTS

Comparative Experiments on the Ranging Accuracy and Environmental Impact of Ultrasonic Sensors and Infrared Sensors   **Guangzhou, China**
Supervisor: Cameron Riviere (from CMU) & Jianing Wu (from Sun Yat-sen University)   *01/2023-Present*
- Simulated various ranging scenarios in indoor and outdoor environments under different brightness conditions
- Measured distances with sensors, compared data with accurate tools to calculate errors, and assessed sensor performance across distances and conditions
- Analyzed performance differences between ultrasonic and infrared sensors, evaluated their pros and cons, and determined the most suitable method for the application scenario

The Origin and Development of Traditional Chinese Medicine Culture   **Hefei, China**
Supervisor: Wei Rao   *03/2023 – 05/2023*
- Collect background knowledge of traditional Chinese medicine to lay the foundation for the project, contact Professor Zou of Jiangsu Museum of Traditional Chinese Medicine and Jiangsu University of Traditional Chinese Medicine, and write the interview script
- On-site visits to museums, using cameras and drones for on-site photography and interviews
- Organized images, sound, and other materials, followed by video editing, text overlay, and voice-over, culminating in a comprehensive multimedia presentation

Research on Machine Learning Techniques for Data Classification   **Hefei, China**
Supervisor: Xiaoming Zhang & Xiaoling Zhang   *01/2023 – 12/2023*
- Completed the system's development using Python, and machine learning, particularly selecting CNN as the text classification model, demonstrating exceptional technical insight and implementation skills
- Initially ran the system and conducted data detection, ensuring the model's accuracy and reliability
- Carried out comparative experiments between CNN and RNN, discovering the superiority of CNN in text classification, thus making a wise model choice

EXTRACURRICULAR ACTIVITIES

Welcome Event   **Hefei, China**
Digital Media Technology Guide   *06/2022 – 07/2023*
- Collaborated with the counselor to organize new student files, ensuring a smooth university transition
- Coordinated welcome sign-in and check-in activities, fostering interaction and camaraderie among the new students
- Served as a liaison between counselors and students, managing notifications and meetings
- Led new students to their new dormitories and surroundings, aiding their swift integration into campus life

Psychological Month Activities   **Hefei, China**
Head of the Rights and Interests Service Department   *03/2023 – 05/2023*
- Make a mental month activity plan, including material purchases, knowledge dissemination games, etc.
- Engaged students in activities, boosting awareness and interest in mental health

Athletes' Camp   **Hefei, China**
Head of the Rights and Interests Service Department   *12/2022 – 04/2023*
- Coordinate the mobilization of athlete camps and stands as head of the Student Union's Rights Services Department
- Collaborated with the General Affairs Department to purchase and reimburse essential supplies for the sports event
- Worked in partnership with the Cultural and Arts Center to enhance the attractiveness of our department's camp, making it a suitable spot for social media check-ins and boosting the overall appeal and ambiance of the event

AWARDS

Merit Student, Anhui University   12/2023
Merit Award, Anhui Provincial Organizing Committee of the China University Student Computer Design   05/2023
Excellent Student Leader, Anhui University   12/2022
First-Class Academic Scholarship, Stony Brook Institute at Anhui University   2022

SKILLS

Language skills: Chinese (native) & English (advanced)
Computer skills: Python, C, C++, Java, PS, and PR