

XIAOYAN BAI

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OBJECTIVE

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🔗 [Elena-Baixy](#)

To apply for an internship in Data Analysis, NLP and web design as a junior student majoring in Computer Science and planning to graduate in Spring 2024

EDUCATION

Shanghai Jiao Tong University

Bachelor of Science in Electronic and Computer Engineering

Sep. 2020 – Present

Shanghai, China

University of Michigan, Ann Arbor

Bachelor of Science in Engineering in Computer Science

Sep. 2022 – Present

Michigan, United States

RELEVANT COURSEWORK

- Computer Game Design and Development
- Intro to Artificial Intelligence
- Web Systems
- Drawing of Observation

PROJECT EXPERIENCE

Poetry-Generating AI Design Research

Researcher

November 2022 – Present

Michigan, United States

- Pre-processed poetry data and fine-tuned language model
- Trained the language model using transformers and tokenizers to generate poems

RuinEscape

Team leader

March 2023 – April 2023

Michigan, United States

- Created a puzzle-solving platform game where player can control bubbles to solve puzzles in Unity
- Gain an appreciation for the project management techniques required to prevent crunch-time at the end of projects.

Search Engine Implementing

Team leader

April 2023 – April 2023

Michigan, United States

- Built a search engine similar to Bing or Google
- Use information retrieval concepts like text analysis and link analysis, and parallel data processing with MapReduce

Rumination Research

Team member

March 2022 – December 2022

Shanghai, China

- Conducted a research in the relationship between visual imagery vividness and depression with Psychophy
- Contributed as a co-author for the paper "The Relationship between Visual Imager Vividness and Depression: A Mediation Model of Rumination", which was submitted to Journal of Affective Disorders

WORKING EXPERIENCE

Research Assistant | LIT Lab, University of Michigan, Ann Arbor

November 2022 - Present

- Contribute to NLP research regarding with mechanics interpretability

Teaching Assistant | Massachusetts Institute of Technology Lincoln Lab

June 2023 - August 2023

- Assisted the instructor's in the day-to-day coursework and be the resident 'expert' for the student teams
- Worked with instructor to help answer questions and help guide team towards meeting weekly challenges

AI Training Assistant Internship | Emogent

December 2021 - January 2022

- Precrossed data and finetuned Irene who is an AI serving in the museum to develop her language with NLP

ACTIVITIES

China Collegiate Algorithm Design and Programming Challenge Contest | Bronze Medal

20, March 2021

Undergraduate Scholarship | Awarded for excellent academic performances

September 2020 - August 2021

Student Union of Shanghai Jiao Tong Univeristy Joint Institute | Minister

October 2020 - August 2021

Shanghai Jiao Tong Univeristy Art Center | Minister of Stage Design Department

September 2020 - Present

Shanghai Jiao Tong Univeristy International Orgnization Camp | Excellent Team

January 2022

SKILLS

Technical Skill: NLP, Huggingface, Pytorch, Unity, Python, Java, Matlab, C/C++, Solidworks, Vivado, Adobe Photoshop, Adobe Premiere Pro

Language skills: English (professional), Chinese (native), Japanese(basic)