

Zhimeng Zhang

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Education

2022.09-2026.05

New York University Shanghai

Computer Science & Interactive Media Arts

GPA: 3.721 / 4

Related Courses: Python(A); Probability and Statistics(A); Data Structures;
Digital Logic(A); Natural Language Processing(A-); Machine Learning
Web Design(A); 3D virtual design(A); Multisensory Design (A); Creative Coding(A-)

Professional Experience

2024.11-

Music Multimodal Tutoring Model research

Researcher, in Music X Lab Advisor: Gus Xia

- Analyzed and optimized an existing multi-modal training model to enhance performance and adaptability.
- Developed an adaptive algorithm to improve user experience and ensure the model's accessibility.
- Redesigned and simplified tutoring hardware, increasing its accuracy in detecting user interactions.

2024.9-2024.12

Multisensory Musical Synthetic Kissboard Design

Researcher/Co-Designer, in New York University Advisor: Lauren Race

- Developed an interactive installation exploring the synesthetic relationship between touch and sound using synthesizer pads played through kissing.
- Designed for duet interactions and collaborative performances, enhancing engagement through sensory exploration.

2024.11-2024.12

Advancing Multilabel Named Entity Recognition through Refined BIO Tagging

Researcher, in New York University Advisor: Adam Meyers

- Implemented a refined BIO tagging nested framework to improve the classification of ambiguous and complex entities in structured data extraction.
- Introduced a feature-targeted selection process and advanced tagging schemes, achieving enhanced accuracy and reliability in entity recognition.
- Applied the solution to financial articles, demonstrating significant utility in real-world data extraction scenarios.

2023.10-2023.12

Interactive VR Space Design

Researcher/Designer, in New York University Shanghai Advisor: Jung Hyun Moon

- Reconstructing the architecture combining with human-centered interaction and Orchestral music
- Build both 3D and 2D interfaces for the interaction between users and the virtual reality
- Optimize the user feedback and web data for better interaction

Working Experience

2024.5-2024.8

Industria de Diseño Textil, S.A.(Inditex)

Digital Intern

Participate & assist digital project management process
Responsible for digital platform & Backoffice operation
Assist on monitoring digital products

2023.9-2024.5

NYU Shanghai IMA Lab

Lab Assistant

Assist lab managers and teachers with daily maintenance of studio and classroom spaces.
Assist laboratory managers and instructors in the daily maintenance of IMA electronic components.
Assist in IMA special events, including poster design, event photography, decoration, event support, etc.
Use business object tools to help generate indicator data and analysis reports.

Technique skills

Proficiency in English/ Mandarin
Proficiency in Video Editing (Adobe Premiere, Adobe After Effects)
Proficiency in Graphic Design (Adobe Photoshop, Adobe Indesign, Figma)
Proficiency in 3D Modeling (AutoCAD, Blender)
Proficiency in Python/R/Javascript/HTML/CSS
Proficiency in flute performing (orchestral level)