

# Xixiao Pan

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## OBJECTIVES

- Seeking opportunities in Human-Computer Interaction to apply programming skills.
- Aspiring to accumulate research experiences exploring real-life applications of HCI.
- Available for internships or projects from May to August 2024.

## EDUCATION

- Participate in a dual-degree program between Shanghai Jiao Tong University and University of Michigan.
- **University of Michigan-Ann Arbor**, College of Engineering [Sep. 2023 - May. 2025]  
**Undergrad (Year 3-4)**, *Bachelor of Science in Engineering in Data Science* CGPA: 3.84/4.0
- **Shanghai Jiao Tong University**, UM-SJTU Joint Institute [Sep. 2021 – July 2023]  
**Undergrad (Year 1-2)**, *Bachelor of Science in Engineering in Electronic and Computer Engineering* CGPA: 3.6/4.0

## ACHIEVEMENTS

- **Shanghai Jiao Tong University Undergraduate Excellent Scholarship** [2021 - 2022]
- **Mathematical Contest In Modeling** Successful Participant [2023]  
Designed a model to predict and prevent light pollution.

## EXPERIENCE

- **XR Mini-Hackathon** [Mar. 2024]  
Utilized Unity to simulate boxing experience in VR. Got a third award in the competition.
- **SIM: Real-Time and Virtual Driving Simulator** [Jan. 2024 - Present]  
**University of Michigan**  
Implemented I94 map in UE5 and designed the logic of vehicles.
- **Multimedia data quality assessment technology based on self-supervised learning** [June. 2022 - April. 2023]  
**Shanghai Jiao Tong University**  
Assisted in reproducing the SimCLR model for multimedia data quality assessment.
- **Web development: Simulate Instagram** [Jan. 2024 - Mar. 2024]  
Used Python, HTML, CSS, SQL to simulate basic functions of social media on the web.
- **IOS AR application development: AnnArbor Go** [Jan. 2023 - Mar. 2023]  
Developed an AR mobile game simulating Pokemon Go using Unity for entertainment.
- **VR development: CSE Simulation** [Jan. 2024 - Feb. 2024]  
Utilized Unreal Engine 5 to simulate students' daily life in CSE Building.
- **Predicting Depression Condition: Integrating Biochemical and Socioeconomic Indicators** [Oct. 2023 - Dec. 2023]  
Collected dataset from CDC website to predict depression by biochemical and socioeconomic conditions. Implemented classification and prediction machine learning model in R language.
- **Web Puzzle Games: SummerSara** [May. 2022 - July. 2022]  
Designed a user interaction puzzle game by clicking and pressing keys.

## SKILLS

- **Programming Skills:** C, C++, Python, Unity, UE5 Matlab, Elm, R, HTML, CSS, React, SQL, Github Usage, Agile Workflow, Verilog,
- **Operating System:** Windows, Linux, MacOS
- **Language:** English (TOFEL-107/120), Chinese
- **Leadership and Responsibility:** Participated in Student Work and Association

## ACTIVITIES

- **Member of Moli Dance Association in Umich** Participate in voluntary performances [Sep. 2023 - Present]
- **Teaching Assistant of Two Courses in SJTU** Creative Writing and Academic Writing [Feb. 2023 - July 2023]
- **Consultant of UM-SJTU Joint Institute Advising Center** [Apr. 2022 - Aug. 2023]  
Scheduled weekly meetings, created posts, and held workshops.
- **Member of Shanghai Jiao Tong University International Organization Talent Camp** [Jul. 2022]  
Discussed international issues related to feminism, economy, and environment.
- **President of Shanghai Jiao Tong University Nanyang Dance Association** [Sep. 2022 - Aug. 2023]  
Managed daily affairs, organized shows, and led the association to a five-star level.
- **Volunteer of Shanghai Jiao Tong University History Museum** [Sep. 2022 - Jun. 2023]