

# Ziyang Xiong

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## EDUCATION

### University of Michigan

Ann Arbor, MI

*Bachelor of Data Science*

*April 2025*

- Coursework: Machine Learning, Large Language Model, Web System, Data Structures and Algorithms
- GPA: 3.93/4.00

### Shanghai Jiaotong University

Shanghai, China

*Bachelor of Electronic and Computer Engineering*

*August 2025*

- GPA: 3.65/4.00

## SKILLS

*Computer:* C++ / C, Python, R, dart, HTML/CSS, Verilog, Pr, LATEX, Markdown, SQL, MATLAB

*Languages:* Chinese as mother tongue, fluent English, entry-level German

*Skills:* Familiar with **Pytorch**, **TensorFlow** deep learning frameworks, familiar with GPT, BERT, LLAMA...

## WORK EXPERIENCE

### Technical development programmer

Wuhan, China

*China Telecommunications Corporation*

*2022.12-2023.02*

- Designed a **cloud-based fusion platform** for the collection and integration of user device fault data
- Automatically **analyzed, consolidated, and categorized** diverse fault information, making determinations and forward pertinent data to respective departments and generated daily report automatically.

### Teaching Assistant of Introduction to the Engineering

Shanghai, China

*Shanghai Jiaotong University*

*2023.05-2023.08*

- Conduct weekly **office hours and review classes** to help students with engineering problems especially in academic writing.

## PROJECT EXPERIENCE

### Scientific Epidemic Prevention and Control Decisions Based on Mobile Data

Shanghai, China

*R,python,data analysis, data modeling and decision making*

*2022.08-2023.5*

- Research on **human movement behavior modeling and prediction algorithms**, simulating the dynamics propagation of the coronavirus outbreak in Shanghai and **developing agent simulation models** supporting **tens of millions** of population.
- **Integrated disease transmission models** and support different intervention measures, **visualizing and analysis** of epidemic outbreaks outcomes to provide support for urban scientific epidemic prevention.

### Depression Condition Predicting

Ann Arbor, U.S.

*R,python,data mining, machine learning*

*2023.10-12*

- Collect, pre-process, sample all kinds of data, and **train and fit a model** to predict depression by biochemical indicators.
- Use and compare all kinds of machine learning methods, including bootstrap,SVM,Logistic Regression,KNN and so on, to determine the influence of socioeconomic factors on depression.

### Created Health APP

Ann Arbor, U.S.

*flutter,dart,firebase,openai-api*

*2023.12-2024.2*

- Craft an intuitive health app **UI** encompassing features like journaling, goal tracking, and interactive chat.
- Seamlessly integrate with **Firestore** for robust database management and tailored health plan recommendations.

## LEADERSHIP

### The Art Department of Student Union

Shanghai, China

*Minister*

*2021.09-2023.08*

### The Youth Volunteer team of UNJI

Shanghai, China

*minister*

*2021.09-2023.08*

## AWARDS

The Cheng Family Scholarship

June 2023

The John Wu & Jane Sun Sunshine Scholarship

October 2022