Ziyang Xiong

• xziyang@umich.edu • 734-210-3298 • Ann Arbor, MI •Personal Website •github.com/lemon-awa

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, MATLAB, Python, R, dart, HTML/CSS, Verilog, Pr , LATEX, Markdown, SQL,
Languages: Chinese as mother tongue, fluent English, entry-level German

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 **Firebase** 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