


Siyi Xie


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Education

2022 –  **B.Sc. Automation** in Xi'an Jiaotong University.
Ranking: Top 5% in major
GPA: **3.93/4.3**
English: CET-4 615, CET-6 591, IELTS 7.0

Experience

Project  **April 2023 | College Student Career Development Planning Project:**
Utilized web crawlers to collect industry development and sales data from Baidu, Google, Huawei, Xiaomi, and Apple's official websites. Processed data with Python for data analysis, securing second place in the presentation defense.
November 2023 | Tengfei Cup Competition 1 (Silver Award):
Developed the technical aspect of a brainwave detection project for depression detection combined with artificial intelligence. Used machine learning models like SVM and Random Forest, as well as deep learning methods like CNN. Trained models with publicly available emotion recognition datasets and selected the most accurate model for developing wearable devices to identify depression.
November 2023 | Tengfei Cup Competition 2 (Silver Award):
Addressing the high cost, large size, and complex interface of commonly used domestic circuit simulation software, designed a compact and simple simulation software using Julia and Modelica to meet the daily teaching needs of circuit instructors.

Research Internship  **October 2023 - Present:** Working on the issue of fairness repair during on-line training processes in Professor Shen Chao's group, with plans to submit to ASE'24.

Awards  **May 2023 | National College Student English Contest** | Second prize
November 2023 | National College Student Mathematics Contest | First prize at the provincial level
September 2023 | School Scholarships | University Second-Class Scholarship
September 2023 | Advanced Individual in Social Activities | Awarded