Mai Xu

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EDUCATION

University of Michigan Ann Arbor, MI, U.S.
College of Engineering, B.S. in Computer Science 2022–Present
GPA: N/A

Shanghai Jiao Tong University Shanghai, China
UM-SJTU Joint Institute, B.S. in Electrical and Computer Engineering 2020–Present
GPA: 3.42

Qibao High school Shanghai, China
Ranked top 3% in Shanghai College Entrance Examination 2017–2020

EXPERIENCE

School of Software Engineering, Shanghai Jiaotong University Shanghai, China
Research Intern, Information System Technology Lab 2022.5 –Present

- Build a Low Coding Platform to allow technical personnel to customize services while not having to write low-level code.
- Design multiple service components with Robotic Process Automation (RPA) for users to automate workflow and self-define web pages and services.
- Apply Cloud Edge Structure to allow platform to be easily deployed for private companies.

John Wiley & Sons China, Ltd. Shanghai, China
Summer Intern, Journal Publishing Manager 2021.7 –2022.1

- Update journal homepage weekly and modify user interface (UI) according to demands on Wiley Online Library.
- Analyze vast usage and citation data with Adobe Analytics and generate reports.
- Oversee contents and layouts of journals before publication.

School of Naval Architecture & Ocean, Shanghai Jiaotong University Shanghai, China
Undergradute Researcher, PRP Program 2021.7 –2022.1

- Preprocess and extract data characteristics from trajectory data of ride-hailing provided by DiDi Global Inc.. to identify road congestion.
- Train prediction models to showcase levels of congestion in near future and visualize relevant results.

SKILLS

- **Tools:** Git, LaTeX, Shell, Jupyter
- **Frameworks:**
  React.js, Springboot, numpy, pandas, TensorFlow
- **Programming:**
  C/C++, Java, Python, Javascript, Matlab, SQL, Mathematica
- **Software:**
  Arduino, Adobe Analytics

LANGUAGES

- **Chinese:** native
- **English:**
- **TOFEL:** 104/120

PROJECTS

- **Fruit ripeness detection based on neural network and biological speckle**   2021 Fall
  Top Fifteen- Midea School-Enterprise Creative Competition
  - Design an algorithm with neural network to identify different fruits.
  - Train prediction models to tell levels of ripeness and maturation date of fruits and vegetables based on needs of urban office workers.

SCHOLARSHIPS AND AWARDS

- Student Work Development Scholarship, Shanghai, China   2020–2021
- Outstanding Member of Student Union, Shanghai, China   2020–2021
- Second Prize - Science and Technology Innovation Competition, Shanghai, China   2019

EXTRACURRICULAR ACTIVITIES

- **Communication Department of UM-SJTU JI Student Union**   Shanghai, China
  Head Minister   2021–Present
  Outstanding Member   2020–2021
  - Reflect opinions and maintain rights for JI students.
  - Bridge gaps between local, international students and professors; organize and co-organize multiple activities including Campus Fluorescent Night Run, Town Hall Meeting, Girl's Day, JI Thanksgiving Luncheon Party, etc.
  - Awarded Members with Outstanding Performance of 2020.

- **Sunshine Alice Volunteering Team**   Shanghai, China
  Team Member   2013–Present
  - Deliver yearly open musical to autistic children families.
  - Pay regular visits to nursing houses.
  - Teach and play music with autistic children families; provide love, support and company on holidays.

- **UM-SJTU JI Youth Volunteering Team**   Shanghai, China
  Leader of the New Volunteering Program Development   2020–2021
  - Co-organize coastal protection programme with Rendu Ocean Protection Organization to monitor amounts and categories of coastal garbage
  - Keep record of data on a timely basis; use relevant data to draw real maps of coastal waste pollution in China.
  - Collaborated with other departments in various activities, such as Charity Sale for Yunnan Poverty Students, acting guide for Xiaoguo Talk shows, etc.

- **Welcome Party for Freshman**   Shanghai, China
  Vocal and Rhythm Guitarist   2020 Summer
  - "New Boy" f.t. my brilliant band members.