

# Yixiao Li

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Address: #96 Jinzhai Road, Hefei, P. R. China

## EDUCATION

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B. S. University of Science and Technology of China

Sept. 2018 - Present

**Major:** Electronic Engineering and Information Science

**GPA:** 3.83/4.3

**Ranking:** 16/300(major)      5/45(Talent Program in AI)

## RESEARCH EXPERIENCES

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### Eggbot

Sept. 2019 - Dec. 2019

A robot that can draw on an egg, [see more](#)

**Co-workers:** Zhiling Zhang, Zijie Zhou, Siyuan Liu,

- Developed an App where users draw images and upload images
- Bridged the App and the microcontroller unit by Bluetooth
- Designed PCB for the microcontroller unit and other drivers

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### Common Sense Reasoning via Prompt Engineering

Jul. 2021 - Present

**Advisor:** Prof. Nanyun Peng, University of California, Los Angeles

- Designed hard prompts to enhance the performance on Com2Sense dataset
- Generalizing the prompts to other datasets
- Designing an auto-explanation mechanism

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### Archive Film Defects Detection

Jun. 2020 - Aug. 2020

**Advisor:** Prof. Zhibo Chen, University of Science and Technology of China

- Detected defects in archive films using Hidden Markov model
- Restored frames using inpainting methods
- Speeded up programs execution by optimizing codes and parallel computing

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### Chinese CAPTCHA Recognition

Jun. 2020 - Present

Suspended 10 months due to the Covid-19

**Advisor:** Prof. Zilei Wang, University of Science and Technology of China

- Segmented Chinese characters into single images using deep learning model
- Handling incorrect segmentation on symmetric Chinese characters
- Recognizing Chinese character using deep learning model

## HONORS

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• Meritorious Winner of Mathematical Contest In Modeling®

Apr. 2020

• “Zeng Hua” Scholarship in University of Science and Technology of China (Top 3%)

Sept. 2020

• Talent Student Gold Scholarship in University of Science and Technology of China (Top 3%).

Sept. 2020

## SKILLS

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- Very skilled at Python and Pytorch platform; adept in C; able to use Swift, Matlab
- PCB design and IC development

## LEADERSHIP EXPERIENCES & VOLUNTEER EXPERIENCES

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| • Vice president of Student Host Club of USTC        | Sept. 2019 - Jun. 2020 |
| • Volunteer of The Special Education School of Hefei | Sept. 2018 - Present   |
| • Volunteer of Science and Technology Week in USTC   | May. 2019              |
| • Support education in Lukou village                 | Aug. 2019              |