

Yanjie Ze

<http://yanjieze.xyz>

Email : zeyanjie@sjtu.edu.cn

Mobile : +86 15298578067

EDUCATION

- **Shanghai Jiao Tong University**

Shanghai, China

Bachelor of Engineering in Computer Science and Engineering
First Year GPA: 3.9/4.3(rank 12/118)

2019 – 2023

RESEARCH EXPERIENCE

- **Machine Vision and Intelligence Group**

SJTU, China

Research Member

Oct 2020 - Present

- **3D computer vision:** Guided by my mentor Yang You, I have been learning about 3D computer vision. Recently, I'm trying to implement PointPillars.

- **Research on Character Recognition Based On Machine Vision**

SJTU, China

Member

Feb 2020 - Aug 2020

Guided by Professor Yansong Zhang, I got basic knowledge of Machine Learning and Computer Vision. Then I used the dataset based on the components from the workshop and the steamship, which is divided into three big classes and many subclasses, and I trained a trivial CNN for the classification, which could have accuracy over 95%. Code is here.

- **Study on the Theory and Algorithms of Reinforcement Learning**

SJTU, China

Member

Jan 2021 - Present

Guided by Professor Shuai Li, I start to study Online Learning and Reinforcement Learning.

PROJECTS

- **Visual Localization Project**

Creator and Maintainer

Oct 2020 - Jan 2021

This is a computer vision project, based on both classic and advanced computer vision algorithm, using openCV, python and Mindvision industrial camera. In this project, I create a two-stage algorithm, which first uses yolov5 model to detect the tag and then uses contour extract algorithm and solves PnP problem to return the camera's coordinate. Code is here.

- **Point Pillars Implementation**

Not finished yet. Code is here.

Feb 2020 - present

TEACHING EXPERIENCE

- Teaching Assistant in ME901:Engineering Practice Exploration and Research, Oct 2020 - Jan 2021
- Academic Counselor in CS171:C++ Programming Language, Dec 2020