

Kaijie Yin

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EDUCATION

University of Macau

M.S. in Robotics and Autonomous System

Macau, China

N/A

Hangzhou Dianzi University

B.Eng. in Software Engineering

Hangzhou, China

Jun. 2023

RESEARCH INTEREST

- Multi-Agent Systems, Cooperative Control of Mobile Robots
- Deep Reinforcement Learning

RESEARCH EXPERIENCE

(All projects come with links to github repositories.)

Building an autonomous aerial robot from scratch

N/A

Work on autonomous aerial robot building, code deployment, and debugging.

Open Source Course at ZJU

May. 2023 - Present

Cluster Reliability Study of Unmanned Intelligent Nodes

Graduation Thesis

Work on implementing a set of dynamic joining and deletion strategies for clusters of unmanned intelligent nodes to improve the reliability of the clusters, in view of the dynamic joining and failure of each node in the clusters.

Hangzhou Dianzi University

Dec. 2022 - June. 2023

A Study of Linux Virtual File Systems and Interrupts

Undergraduate in Cloud Computing Lab

Work on the personalized tuning of Linux file systems and interrupts.

Hangzhou Dianzi University

Mar. 2021 - Jan. 2022

A X86 Kernel Demo

Undergraduate in Cloud Computing Lab

Simultaneously work on the development of a kernel demo based on the x86 architecture.

Hangzhou Dianzi University

Mar. 2021 - Jan. 2022

National College Students' Innovative Entrepreneurial Training Plan Program

Major Contributor

Stylized migration of images in the style of Chinese painting using a Few-Shot-Gan generative adversarial network model (trained on Feng Zikai images).

HDU

Sept. 2020 - June. 2021

HONORS AND AWARDS

- First Prize of HDU Internet+ Student Innovation and Entrepreneurship Competition, 2021
- Outstanding Communist Youth League Member, 2020

SKILLS

- **Programming:** Python, C/C++, Assembly
- **Technologies:** Omnet++, Linux, Pytorch, PX4
- **Languages:** Mandarin (native), English (CET-6:438; TOEIC:600+), Japanese(basic)
- **Extra-professional skills:** Photography(Contracted contributor for Visual China)