

Kaijie Yin

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- Personal Website: <https://machy.tech>
- Github: <https://github.com/exaids66>

EDUCATION AND EXPERIENCE

University of Macau	Msc. in Robotics and Autonomous Systems	N/A	Macau, China
Hangzhou Dianzi University	B.Eng. in Software Engineering	Jun. 2023	Hangzhou, China

RESEARCH INTEREST

Multi-Agent Systems: Cooperative Control of Mobile Robots, Agent-Based Model

EXPERIENCE

National College Students' Innovative Entrepreneurial Training Plan Program **HDU**

Major Contributor *Sept. 2020 - Dec. 2021*

- Stylized migration of images in the style of Chinese painting using a Few-Shot-Gan generative adversarial network model (trained on Feng Zikai images).
 - Skills acquired: Usage of Google Colab, CUDA, Pytorch, Artificial Intelligence Basics
 - Github address: <https://github.com/exaids66/Machy-Digital-Chinese-Painting>

Cloud Computing Lab **Hangzhou Dianzi University**

Undergraduate *Mar. 2021 - Jan. 2022*

- Work on the personalized tuning of Linux file systems.
 - Skills acquired: Linux Kernel Analysis, Python Visualisation
 - GitHub address: <https://github.com/exaids66/LFS-Study-Notes>
- Simultaneously work on the development of a kernel demo based on the x86 architecture.
 - Skills acquired: Linux Common Commands, x86 Assembly Language(AT&T Style), Concepts of Intel 8086
 - Github address: <https://github.com/exaids66/Machy-Kernel-Demo>

Graduation Thesis **Hangzhou Dianzi University**

Dec. 2022 - June. 2023

- 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.
 - Skills acquired: C++, OMNET, Concepts and Implementation of Mobile Ad Hoc Network
 - Github address: <https://github.com/exaids66/AODV-based-Systems-on-OMNET>

Building an autonomous aerial robot from scratch

Open Source Course at Zhejiang University *May. 2023 -*

- Work on autonomous aerial robot building, code deployment, and debugging.
 - Skills acquired: UAV Assembly, Lower Unit Configuration(based on PX4), *Vins*, *Ego-Planner*(N/A)
 - Github address: <https://github.com/exaids66/FastDrone-StudyNotes>

SERVICES

Vice President of FOCUS Studio: This is a professional photography studio integrating photography, videography, post-production, and graphic design in Hangzhou. *Sept. 2021 - June. 2022*

SKILLS

- Programming: Python, C, C++
- Languages: Mandarin(native), English(CET-6: 438; TOEIC: 600+), Wu dialects (native)
- Extra-professional skills: Photography(Contracted contributor for Visual China)