

# Renyi Yang

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🐙 Github: Renyi Yang [\[web\]](#) 🏠 Personal Website [\[web\]](#)

## RESEARCH INTEREST

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Edge Artificial Intelligence

## EDUCATION

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ShanghaiTech University [\[web\]](#)

B.ENG. in Computer Science and Technology

Shanghai, CHN

September 2023 - Current

– GPA: 3.75/4.0 | Major GPA: 4.0/4.0

– Rank(CS major): 24/173

– Rank(School of Information Science and Technology): 34/266

## TECHNICAL STRENGTHS

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Programming Languages

Matlab, Python, C&C++

Framework & Toolchain

PyTorch, Git, Linux

Misc

L<sup>A</sup>T<sub>E</sub>X, Markdown, Toefl: TBD

## COURSE PROJECTS

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Handwritten Number Recognition [\[code\]](#)

Dec. 2023 - Jan. 2024

Team Leader

A handwritten number recognition project using **KNN** algorithm based on **Raspberry Pi**

- Model Training (KNN)
- Photograph Processing (Segmentation, Erosion, ...)
- Using a Digital Display to show the result (Circuits Connecting)

Plants vs. Zombies [\[code\]](#)

May 2024 - June 2024

Personal Project

A PvZ game based on **C++** with **CMake**

- contain basic actions, sunshine, plants and zombies
- having animation for shooting, moving, etc... (e.g. Pole Vaulting Zombie)
- treat everything as a GameObject (mother class)

## VOLUNTEERING

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Volunteer for summer and winter activities [\[web\]](#)

June 2023 - Aug. 2024

Team Member

**136 Hours** in total

- Teaching Assistant
  - In collaboration with the education team, **innovative teaching tools** and methods have been used to develop summer school programs that provide children with diverse learning experiences and opportunities for personal growth.
- Safety Inspection
  - Check the town's facilities and equipment, including the town's fire protection system, electrical system, and other facilities.