JUNBO WANG

✉ sjtuwjb3589635689@sjtu.edu.cn
⌂ github.com/dadadadawjb
🔗 https://dadadadawjb.github.io

🎓 EDUCATION

Shanghai Jiao Tong University   Shanghai, China
B. Eng. in Computer Science and Engineering   Sept. 2019 – Jun. 2023 (expected)

- GPA 91.93/100 (or 3.99/4.3), Rank 10/118
- Selected Courses: Calculus (97/100), Linear Algebra (94/100), Probability and Statistics (94/100), Compilers (95/100), Computer Networks (98/100), Computational Theory (94/100)

🔍 RESEARCH EXPERIENCE

Machine Vision and Intelligence Group (MVIG)   Oct. 2020 – Present
Research Intern   Advised by Prof. Cewu Lu and Dr. Hao-Shu Fang

- Survey on hand manipulation taxonomy to help the design of RH100T dataset.
- Multiple cameras calibration for RH100T scenes set up.
- Diverse robotic arms control and diverse sensors use for RH100T scenes collection.
- Dataset raw data process and visualization.
- Basic skills of computer vision with deep learning.

SJTU PrP Project   Apr. 2020 – Apr. 2021
Research Participation   Advised by Prof. Wei Qin

- Research on automatic sorting method of industrial parts based on computer vision.
- Basic skills of computer vision with traditional features algorithms.

📑 PROJECTS

[⌂ **dadadadawjb/CLPDetector**]: Color-shape and shape-color two pipelines based Chinese license plates detector.
[⌂ **dadadadawjb/RasterizerHowTo**]: Handwritten rasterizer. Support MVP+viewport transformations on wireframe and mesh rasterization, and normal, Blinn-Phong, texture, bump, displacement mappings.
[⌂ **dadadadawjb/RayTracerHowTo**]: Handwritten ray tracer. Support Whitted-Style Ray Tracing and Path Tracing.
[⌂ **dadadadawjb/TrainAlarm**]: Full stack + IoT + MCU application for alerting railway workers. (private for patent)
[⌂ **dadadadawjb/DataStructureHowTo**]: Handwritten diverse and common data structures.
[**Systematic guidance and reference how-tos**]: ⌂ dadadadawjb/QtHowTo, ⌂ dadadadawjb/LatexHowTo, etc.

♡ HONORS & AWARDS

Shaoqiu Scholarship (SJTU, 1%)	Nov. 2021
Undergraduate Class C Scholarship (SJTU, 30%)	Nov. 2021
Second prize in 4th Chinese System on Chip Competition (Shanghai)	Oct. 2021
National Scholarship (Ministry of Education of PRC, 1%)	Dec. 2020
First prize in 12th Chinese Mathematics Competition (Shanghai)	Dec. 2020
Second prize in 2020 China Undergraduate Mathematical Contest in Modelling (Shanghai)	Dec. 2020
Merit Student Award (SJTU, 5%)	Nov. 2020
Undergraduate Class A Scholarship (SJTU, 1%)	Nov. 2020

⚙ SKILLS

- Programming Languages: C++, Python
- English: CET-4 607, CET-6 545