Yesian Rohn

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EDUCATION

Fudan University   September 2020 - June 2024

Computer Science and Technology (Bachelor of Science)   (Anticipated Graduation)

- Cumulative GPA: 3.62/4.0 (Ranking: 27/184)
- Coursework and Grade: Data Structure(A), Introduction to Robotics(A), Discrete math(A), Computer Visualization(A), Computer Architecture(A), Operating Systems(A), Artificial Intelligence(A), Algorithm Design and Analysis(A-), Computer Graphics(A), Software Engineering(A-)

PROFESSIONAL EXPERIENCE

Robot for Measuring Photosynthetic Efficiency   February 2023 - May 2023

Shanghai Institute of Plant Physiology and Ecology, Research Intern

- Utilized the deep learning model Mask-RCNN for leaf instance segmentation and optimized the task by applying data augmentation techniques and dropout strategy to prevent overfitting.
- Devised algorithm to properly account for the distance and normal vector of the segmented leaf captured by a depth camera.
- Called the API interfaces of the AGILE AGV and the JAKA Manipulator to plan their movements and move the collection device to the optimal position upon detecting the blades.

Visualizing the Friendliness of Cycling Routes   October 2022 - November 2022

Commonweal Project of Greencode in Alibaba Cloud, Group leader

- Created an HTML-format map of non-motorized bicycle lanes in Wuhan city using the Folium package.
- Built two web pages with HTML and CSS based on the map, and deployed them on Github.
- Added a domain name mapping for www.mjdlz.cn to these web pages.

Industrial Software and Robotic Arm Development   July 2022 - September 2022

Chongqing Qingyan Technological Intelligent Technology Research Institute, Software Intern

- Developed ERP systems for industrial enterprises through a low-code platform.
- Assisted in writing project development documents and software monographs, including conducting research, gathering information, organizing data, and proofreading.
- Wrote C# code to enable interaction between a physical robot and the RoboDK app for exploring the Digital Twin technology.

SKILLS LIST

General Computer Skills

Programming Languages: C/C++, Python, C#, SQL, Bash, Verilog, HTML/CSS, JavaScript

Hardware Experience: Raspberry Pi with GPIO, AGV with OpenCV, MIPS, Robotic Arm

Software & Tools: Low-code, LaTeX, Markdown, Jupyter Notebook, ChatGPT Prompt, Git, Linux

Language

Standard Chinese (Native, Two levels of second-class)

English (Fluent, CET-6: 565/710)

HONOR

Alibaba Cloud Annual Geek of Greencode	*Winter 2022*
Third-class Scholarship of Fudan University	*Autumn 2022*