

ZHANG Yicheng 张怡程

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📍 Shenzhen, China, Junior Year at SUSTech

Education

Southern University of Science and Technology Shenzhen, China	2022 - 2026 (Expected)
Information Engineering, Dept. of Electrical and Electronic Engineering	GPA: 3.82/4

Projects

Research on Myanmar Script OCR Capability	Internship at China Mobile	2024/07 - 2024/08
◦ Coordinated team communication and task collaboration; built neural networks for the task; liaised with domestic and international companies to test services; provided a comprehensive evaluation report on current research progress and existing solutions. Received the China Mobile "Green Pass Card."		
Farming IoT System Based on OpenHarmony	"Shokz Cup" Project: Technical Lead	2024/06 - 2024/07
◦ Responsible for embedded system development. Participated in field research and company visits. Delivered both opening and closing presentations (in English).		
Image Knot Recognition	Independent Project: Project Lead	2024/02 - 2024/06
◦ Extracted variant Alexander polynomials using Sliding Window and Thinning techniques for knot recognition in images.		
◦ Project repository: github.com/RUSRUSHB/TopoGO		
Robotic Arm Handwriting Mimicry	Independent Project: Project Lead	2024/02 - 2024/06
◦ Detected human handwriting behavior from video and controlled a Kinova Gen3 Lite robotic arm via ROS for automatic handwriting mimicry.		
RoboMaster Assisted Shooting	ARTINX Robotics Team: Vision Group Advisor	2024/11 - Ongoing
◦ Achieving long-range multi-target recognition using LiDAR and RGB cameras.		
Attention Recording System on AR Glasses	SUSTech Integrated Design Project	2024/11 - Ongoing

Awards

Second Prize: SUSTech Freshman Scholarship	2022
Third Prize: SUSTech College Scholarship	2024
Silver Medal (Provincial), Gold Medal (University):	2024
◦ FLTRP National University Students Foreign Language Competence Contest, English Translation Category	
Gold Medal (University):	2024
◦ FLTRP National University Students Foreign Language Competence Contest, English Comprehensive Ability Category	
Special Prize (University): Guangdong Province "Yanxing Cup" University English Proficiency Contest	2024

Skills

Languages: TOEFL 110; CET-4 625. Experienced in English and bilingual instruction. Participated in U.S. study tour in high school.

Programming Languages: Python, Java, MATLAB, C, C++

Tools & Frameworks: PyTorch, Simulink, Keil, JLC EDA, Multisim, DevEco Studio, WeChat Developer Tools; Linux, ROS; AutoHotKey

Hardware Experience: RaspberryPi, OpenMV, STM32, TI MSP432, Hi3861

Certifications: HarmonyOS Application Developer Certification

Relevant Courses & Training

Electronics Design Contest Problems, Naked-Eye 3D Display, Digital Image Processing, Robotics Motion and Control, Engineering Mathematics (Methods of Mathematical Physics), Digital Signal Processing, Data Communication and Networking, Microcontroller Principles and Microsystems, Digital Circuits, Analog Circuits, Probability and Statistics

Personal Projects

GitHub Repositories: OneNote/Word Mathematical Formula Input Helper, Unicode Math Symbol Input for Common Scenarios, SUSTech LaTeX Template. github.com/RUSRUSHB

WeChat Public Account: 实践与检索

Column Article: "Defining Sci-Fi: Discussion on the Definition of Science Fiction": [bilibili.com/read/cv21645218](https://www.bilibili.com/read/cv21645218)

Others

Positions & Club Involvement:

- **Advisor**, ARTINX Robotics Team Vision Group; **Academic Deputy Director**, Hongling Model United Nations Association; **Actor**, Hongling English Drama Club; **Member**, SUSTech Model United Nations Association; **Member**, Zhiren Cycling Club; **Student Representative**, SUSTech Student Congress

Hobbies: Sports, Reading, Exploring Productivity Tools, Learning New Things