

YUNQI ZHONG



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Political Status: Party Member Activist

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ACADEMIC EXPERIENCES

Southern University of Science and Technology

2024–Present

Information Engineering, Department of Electronic and Electrical Engineering

GPA: 92.6/100 | 3.87/4.0 **Rank:** Top 10% **English:** CET4- 551, CET6- 540

Selected Coursework: C Programming (98) Engineering Electromagnetic Fields (98) Calculus (93)
Electric Circuits (93) Linear Algebra (90)

High School Attached to Northeast Normal University

2021–2024

National College Entrance Examination: 656/750 | Physics: 99/100

RESEARCH EXPERIENCES

Sensor and Intelligent Perception Laboratory

2025.09–Present

Dept. of EEE, SUSTech Supervisor: Prof. Taihong Wang (National Distinguished Young Scholar)

Project: Integrated Electronic Skin for Dexterous Robotic Hands

Focus: real-time | human-like visuotactile perception | fine manipulation.

Key Bottlenecks: high cost | limited coverage in tactile sensing.

System Scope: full-stack pipeline from flexible sensor fabrication to parallel readout circuits and a 17-DOF low-cost hand.

Key Contributions:

- Assembled and optimized a 17-DOF dexterous robotic hand, improving kinematics and control performance
- Built and maintained the iontronic electronic skin pipeline: sensor fabrication + parallel FDM/CDM readout
- Maintained and updated the project website for research progress and technical documentation
- Collaborated on an approved Guangdong Climbing Program project for advanced robotic manipulation

School of Artificial Intelligence, Jilin University

2026.01–2026.03

Supervisor: A/Prof. Chao Zhao

Project: DOGlove - Dexterous Hand Teleoperation for RL-Based Assembly Tasks

Goal: replicate a **low-cost** and **high-performance** teleoperation system for dexterous hands.

How it helps: intuitive **human-to-robot hand mapping** as a **data collection** and **evaluation testbed**.

Downstream: **reinforcement learning** and **vision-based policy learning**.

Demo: autonomous **LEGO assembly**.

Key Contributions:

- Procured **electronic and mechanical components**, managed **budget** and **logistics**, and assembled the full hardware setup
 - Refined **3D-printed models** to improve **structural robustness** and **assembly precision**
 - Implemented **motion control** for real-time hand pose tracking and **force feedback**
 - Achieved teleoperation accuracy for assembly demonstrations
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RESEARCH INTERESTS

- **Embodied AI** (robot learning in real-world interaction)
- **Reinforcement Learning** for dexterous manipulation and control
- **Visuotactile Sensing** for closed-loop perception and action
- Hands-on experience with **dexterous hand** systems and **cable-driven** mechanisms for visual–tactile sensing
- Engineering skills: **circuit design**, **PCB soldering**, and **embedded system** development
- Programming stack: **C/C++**, **Python**, **MATLAB**, **JAVA**, **HTML** and continuous improvement in **ROS** and **VLA**

HONORS & AWARDS

- **2025, Outstanding Student**, SUSTech. (Top 10% among all undergraduates)
- **2025, Outstanding Student Scholarship – Third Prize**, SUSTech. (Top 16% among all undergraduates)
- **2023, Second Prize**, National High School Mathematics Joint Competition (China)
- **2021, Second-class President’s Scholarship**, High School Attached to Northeast Normal University

SOCIAL WORK

- **Outstanding Volunteer**, 15th National Games of the People’s Republic of China (2025.08–2025.11)
- **Science Popularization Lecturer**, SUSTech Affiliated Primary School
- **Vice Team Leader**, Jilin Province Admissions Team, Southern University of Science and Technology (2024–2025)
Participated in **10+** admissions briefings and information sessions in Jilin Province.
Indirectly reached **thousands** of prospective students and parents; received unanimous praise (incl. **Ms. Hejuan Sun**).
- **Third-Generation Inheritor of Wang-style Clapper Talk** (National Intangible Cultural Heritage), 2012–Present
Apprenticed to **Mr. Zongyi Li**; performed for prestigious audiences, including **Academicians Qikun Xue, Jinfeng Jia, Xueming Yang, and Xiaofei Chen**.