Tianrun Qiu

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University: Southern University of Science and Technology (SUSTech) *Location:* Shenzhen, China
GitHub: RoderickQiu *(1k+ star)* ✳ *Google Scholar:* Tianrun Qiu ✳ *Pixabay:* r-q *(300k+ view)*

Education

Southern University of Science and Technology (SUSTech) | B. Eng.
Computer Science and Technology (4th year) | *Sep 2022 - Present*
3.85/4.00 Overall GPA, 3.91/4.00 Major GPA
Highest scholarship (School Motto Scholarship) recipient

Research Experience

DVA Lab, SUSTech | *Nov 2023 - Present*
Research Assistant | *Shenzhen, Guangdong, China*

- Supervisor: Prof. Yuxin Ma
- Focus: Human-AI collaboration in creativity support and visual accessibility.

HCI Initiative, HKUST | *Jun 2025 - Sep 2025*
Research Intern | *Hong Kong SAR, China*

- Supervisor: Prof. Xiaojuan Ma
- Focus: Primarily on physiological signal-based HCI for experiment guidance, while also participating in chemical reasoning research.

Papers

HarmonyCut: Supporting Creative Chinese Paper-cutting Design with Form and Connotation Harmony
CHI '25 Full Paper
Huanchen Wang*, Tianrun Qiu*, Jiaping Li, Zhicong Lu, Yuxin Ma†
Tags: Creativity support tool; Generative AI-aided design. Collaborated with Prof. Zhicong Lu.
Contribution: Full implementation, ideation participation. 8 citations.

GamerAstra: Enhancing Video Game Accessibility for Blind and Low-Vision Players through a Multi-Agent Framework
Under Review
Tianrun Qiu*, Changxin Chen*, Sizhe Cheng, Xuyang Liu, Xumeng Wang, Zhicong Lu, Yuxin Ma†
Tags: Accessibility, Multi-agent, Human-AI collaboration, Computer vision.
Contribution: Ideation, project leading, 2/3 paper writing, 1/2 implementation. 2 citations.

SenseFusion: Facilitating Users' Cued Recall Debriefing in Retrospective Think-Aloud through VLM-based Multisensor Data Fusion
Under Review
Junze Li*, Tianrun Qiu*, Xiaoyi Yu, Chengbo Zheng, Jiaxiong Hu, Zeyu Huang, Xiaojuan Ma†
Tags: Sensor, Multi-modal LLM, Think-aloud.
Contribution: 1/2 Implementation, 1/2 paper writing, ideation participation.

Selected Projects

wnr: A Powerful Time Management App | *Jan 2019 - Present*
Individually Developed App

- An app that has received **1000+ stars on GitHub**, that reduces visual stress by forcing the screen to lock, and that provides a large list of customizable preferences.

Shuli College Dormitory Selection System | *Jul 2024 - Aug 2024*
Co-led Dormitory and Roommate Selection System

- AI-powered system for the residential college that has helped **600+ students** find their ideal roommates.

ParroTao: Agentic Running Copilot | *Sep 2025 - Present*
Participated as AI Product Manager and Front-end Leader

- App that provides agent-based physical fatigue monitoring, exercise plan recommendation, and highly flexible exercise record analysis. Will be online before the summer of 2026.

Course Projects and Theses *Nov 2022 - Present*
*Full Mark and Full Bonus in the Projects or Theses of **10 Classes**:*

- *Engineering:* (1) Software Engineering; (2) Computer Network; (3) Principles of Database System; (4) Computer Organization; (5) Digital Design.
- *Artificial Intelligence:* (1) Data Mining; (2) Artificial Intelligence; (3) Intro to Artificial Intelligence.
- *Programming:* (1) C/C++ Programming; (2) Intro to Programming in Java.

Working Experience

Digital Transformation Engineer *Aug 2022 - Oct 2023*
Co-led Lika Ribbon Anomaly Detection & Analysis System

- Implemented an industrial system for ribbon defect detection and production statistics, with a single-unit cost of only $40, and can increase high-quality rate by **10%**.
- Deployed in Hangzhou Lika Rigging Co., Ltd., with a patent granted.

Selected Awards

SUSTech School Motto Scholarship *Oct 2025*
Rixin Prize (For Outstanding Technical Innovation and Impact)
Highest scholarship of SUSTech *(Top 0.2% for Rixin Prize).*

SUSTech Merit Student Scholarship (x2) *2023, 2024*
First Class Scholarship (2023-24) (Top 5%), Second Class Scholarship (2022-23)
National University of Singapore School of Computing Summer Workshop *Jul 2024*
Outstanding Project (A+) (Top 3)
National English Competition for College Students, China *Apr 2024*
National Third Award
SUSTech Outstanding Freshman Scholarship *Dec 2022*
First Class Scholarship (Top 5%)

Skills

Software Engineering	Java, C++, Python, Kotlin, Electron, SQL
Front-end Engineering	Vue, React, Node, CSS
Artificial Intelligence	Computer Vision, LLM, Fine-tuning, RAG, Data Mining
Hardware Engineering	Verilog, FPGA, Signal Processing, Embedded Computing
Designing	Photography, Video Post-processing, Graphic Design, 3D Modeling
Paper Writing	Actively engaged in the writing for two papers

Language Certificates

TOEFL iBT *Nov 2024*
Scored 108/120: Reading 30, Listening 30, Speaking 22, Writing 26
GRE General Test *May 2025*
Scored 329/340: Verbal 159, Quantitative 170, Writing 4.0

Selected Services

Shuli College Peer Mentors Association *Jul 2023 - Jun 2025*
Peer Mentor, then Vice President

- Outstanding peer mentor who organized 10+ activities for undergraduate freshmen. Under my leadership, our residential college also became **40% more popular** as the first choice.

SUSTech Learning Center *Sep 2025 - Present*
Academic Counselor

- As an academic counselor, I provide guidance to **3-5 undergraduates** each week on study plans, major selection, research area selection, and English learning.

CHI '26 Reviewer *Oct 2025*
Reviewer for the top-tier conference CHI '26