



Jianru Li

Pinco Li | South China University of Technology (SCUT)

📧 Major: Artificial Intelligence ✉️ me@snowflake.pink
📞 Second-year Undergraduate 📞 13699829028
🐙 [Snowflake-Pink](https://snowflake.pink) 🌐 <https://snowflake.pink>

Research Interests

Current focus: **Multi-Agent, Agent Memory, AIGC**

Awards

Campus Second-Class Scholarship (2025)

Oct 2025
SCUT

Contemporary Undergraduate Mathematical Contest in Modeling

Oct 2025
First Prize (Guangdong)

Tencent / Rhino-Bird Open Source Talent Development Program

Sep 2025
Tencent Docs Project Practice,
Outstanding Student

"Shenzhen Cup" Mathematical Modeling Challenge

Jun 2025
First Prize

China Collegiate Computing Contest (C4) AIGC Innovation Track

July 2025
South China Regional, Second Prize

National College Students Embedded Chip and System Design Competition, Chip Application Track

July 2025
Southern Regional, Second Prize

Future Technology · Baidu Brain Cup, First Prize

Jan 2025

Certified Software Professional Junior

2019
Second Prize

National Olympiad in Informatics in Provinces (Junior Group)

2018
Second Prize

Publications & Research Projects

SymbOmni: Evolving Agentic Omni Models via Symbolic Concept Learning

Jun 2025 - Nov 2025
Jianru Li[†], Jinxiu Liu[†], Tanqing Kuang[†], Xuanming Liu, Kangfu Mei(**Google DeepMind**), Yandong Wen(**WU/MPI**), Weiyang Liu(**CUHK/MPI**) ([†]Equal contribution) *Under review at European Conference on Computer Vision (ECCV), 2026.*

Solved the continuous learning bottleneck in visual generation by proposing **SymbOmni**, which utilizes a Symbolic Concept Box and Verbalized Backpropagation. It achieved **SOTA** on AIGC benchmarks and **>40% token reduction**, outperforming mainstream closed-source models. The work received **three positive reviews (4/6)** at **CVPR 2026**, and the revised manuscript is currently under review at ECCV 2026.

China Collegiate Computing Contest (C4) Veevo Agent Development

Apr 2025 - Sep 2025

Spearheaded a cross-platform on-device AI assistant (Qt6 & MCP) as Team Lead & Lead Developer, enabling autonomous planning and tool-calling for complex tasks.

SCUT School of FutureTech Metaverse

Oct 2024 - Jan 2025

Tech Lead: Spearheaded a **low-cost, automated Metaverse pipeline** utilizing **Dr. Fei-Fei Li's team's** "Digital Cousins" tech, transforming **basic blueprints/photos** into an integrated virtual campus (modeling, utilities, security) with minimal human intervention. [Video Introduction](#)

SCUT Campus Second-hand Trading Mini Program

Oct 2024 - Dec 2024

Shenzhen Foreign Languages School Meteorology & Astronomy Club "Smiling Weather" Mini Program

2020 - 2023

Developed in collaboration with the **Shenzhen Meteorological Bureau data platform**, based on the school weather station's real-time data API. **Served over 10,000+ users.**

Personal & Campus Blog

2018

Launched a school-wide blog via GitHub to facilitate **Informatics Olympiad** prep and **Chinese cultural exchange.**

Experience

Hong Kong University of Science and Technology (HKUST)

Hong Kong

Visiting Student | Summer School [Incoming] Jul - Aug 2026
Fully funded & interview-exempt via official nomination.

HKUST(GZ) | ENVISION Lab | Ying-Cong Chen

Guangzhou

Research Intern Jan 2026 - Present

International Top-Tier Innovative Talent Development Program

CIEI | NeoScholar

Columbia University, Prof. Patrick Houlihan Oct 2024 - Jan 2025
Data Science: ML and NLP