

# Mingqiang Tang (唐明强)

Bachelor of Engineering in Computer Science and Technology  
Southern University of Science and Technology (SUSTech), Shenzhen, China

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## EDUCATION

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### •Southern University of Science and Technology (SUSTech)

*Bachelor of Engineering in Computer Science and Technology*

*2023 – Expected 2027*

Shenzhen, China

– GPA: 3.86/4.00, Rank: 16/152.

## RESEARCH

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### •Diverse Purpose Multi-turn Fashion Image Retrieval

*SUSTech; advised by Prof. Xuemeng Song*

*Feb. 2026 – May 2026*

Shenzhen, China

- Created a multi-turn composed fashion image retrieval dataset covering diverse retrieval tasks and user intents.
- Studied a new framework that uses SAM-based garment segmentation and MLLM-guided LoRA training to align multi-round image-text feedback with target fashion items.

### •Research on Automated Unit Test Generation for Rust Programs

*Research Intern at SQLab, SUSTech; advised by Prof. YePang Liu; collaborated with Ant Group*

*Jun. 2025 – Jan. 2026*

Shenzhen, China

- Collected and analyzed real-world bugs from Rust crates as evaluation benchmarks ([GitHub](#)).
- Evaluated the tools (RULF, RPG, RustyUnit, RUG) on different Rust crates, benchmarking their effectiveness across metrics including code coverage and test validity. ([GitHub](#))

## PROJECTS

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### •MultiTurnCIR

*FastAPI-based Multiturn Composed Image Retrieval Demo*

*Mar. 2026*

[GitHub](#) [Link](#)

- Built a multi-turn composed image retrieval demo using the CFIR model, enabling iterative fashion-image retrieval from a reference image and evolving natural-language feedback.
- Implemented FastAPI services for model inference, vector-search retrieval, session-state management, cache-backed indexes, and a web UI for gallery browsing and repeated retrieval rounds.

### •MiniFileExplorer

*Advanced Programming (CS219), SUSTech*

*Nov. 2025*

[GitHub](#)

- A lightweight, terminal-based file manager built in C++17, providing core file system operations analogous to Linux command-line tools.
- Supports directory navigation, file creation/deletion, recursive search, copy/move, and directory size analysis; designed with a modular command-pattern architecture.

### •Assignment Management System

*Software Engineering (CS304), SUSTech – Team Project*

*Feb. 2025 – Jun. 2025*

[GitHub](#)

- A full-stack web application for managing course assignments, developed collaboratively as a team of 5 following agile practices.
- Implemented features including assignment submission, deadline tracking, and role-based access control; integrated an automated code evaluation system and an AI-powered grading module.

## AWARDS

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### •SUSTech Merit Student Scholarship – Second Class, SUSTech

*2024*

### •Outstanding Student, SUSTech

*2024, 2025*

### •SUSTech Merit Student Scholarship – Third Class, SUSTech

*2025*

## TECHNICAL SKILLS

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- **Programming:** Java, Rust, C/C++, Python
- **Development:** Linux, Spring Boot, PostgreSQL
- **Language:** CET-6: 492; CET Spoken English Test: Good

## INTERESTS

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- **Sports:** Swimming, Running, Frisbee
- **Volunteering:** Accumulated 73.5 hours of volunteer service