SITE FAN

Southern University of Science and Technology,
1088 Xueyuan Avenue, Nanshan District, Shenzhen, Guangdong, China

📞 (+1)734-245-9988 ✉ fanst2021@mail.sustech.edu.cn ⓞ github.com/GuTaoZi

Education

Southern University of Science and Technology   **Sep. 2021 – Expected June 2025**
B.Eng. of Computer Science and Technology   GPA: 3.92/4.00, Major Ranking: 5/189
Honored Degree, Turing Class   Class Ranking: 1/29

Research Interest

Distributed Systems, Distributed Learning, Machine Learning

Researches and Projects

Research Intern at OrderLab, University of Michigan   **Mar. 2024 - Aug. 2024**
- Enhancing reliability and robustness of distributed systems
- Ongoing research internship advised by Prof. Ryan Huang, cooperating with OrderLab

Stack Unwinding Implementation for Rust-based OS | *Rust, Assembly*   **Sep. 2023 - Jan. 2024**
- https://github.com/asterinas/asterinas
- Implementing stack unwinding in DWARF standard for a Rust-based general-purpose OS kernel, to support kernel debugging.
- Undergraduate research internship and group project advised by Prof. YinQian Zhang, cooperating with Asterinas

SPL Compiler|*C*   **Sep. 2023 - Jan. 2024**
- https://github.com/GuTaoZi/SPL_Compiler
- A C-based compiling tool including lexical, syntax, semantic analyzer and intermediate code generator to compile a custom C-like language into MIPS32 Code.
- Ongoing semester group project of the Compilers course.

GAS File System|*C*   **May 2023 - June 2023**
- https://github.com/GuTaoZi/GAS_Filesystem
- A custom Linux file system implemented as a kernel module, supporting basic file operations and VFS interfaces.
- Inspired by samplefs, group project of Operating System(H) cooperating with two students from Turing Class(100/100).

Feather CPU: Single-Cycle RV32I CPU Design on Minisys|*Verilog, RISC-V Assembly*   **Apr. 2023 - June 2023**
- https://github.com/GuTaoZi/FeatherCPU
- A lightweight CPU core design running on Minisys, supporting basic RV32I instructions and several IO devices.
- Implemented with reference to *Computer Organization and Design:The Hardware/Software Interface*. Group project of Computer Architecture(H) in collaboration with another student from Turing Class(130/100).

Languages and Skills

Chinese Mandarin (native), English (TOEFL 103, R30—L29—S22—W22)

C/Cpp, Python, Verilog, Rust, Java, JavaScript, HTML, MIPS/RISC-V Assembly, SQL

Relevant Coursework

Course Name	Score	Letter Grade
Operating Systems(H)	100	A+
Computer Organization and Architecture(H)	100	A+
Machine Learning(H)	99	A+
Data Structure and Algorithm Analysis (H)	96	A
Algorithm Design and Analysis (H)	95	A
Digital Logic(H)	94	A
Artificial Intelligence(H)	93	A
Principles of Database Systems (H)	92	A-
Computer Networks	90	A-

* The Courses with (H) are honorable courses for Turing Class.

Awards and Scholarships

National Scholarship (9 out of 4000)	**2023**
Qiushi Special Award, School Motto Scholarship, SUSTech (3 out of 4000)	**2023**
First Prize for Outstanding Student Scholarship, SUSTech	**2023**
Successful Participant Award, International Mathematical Contest In Modeling	**2022**
Provincial third Prize, Chinese Mathematical Contest in Modeling	**2022**
First Prize for Outstanding Student Scholarship, SUSTech	**2022**
Outstanding Freshman Scholarship, SUSTech	**2021**

Position of Resposibility

Teaching Assistant of C/C++ Program Design	Sep. 2023 - Jan. 2024
Monitor of 2021 Turing Class	Aug. 2022 - Present
Peer Mentor of Shude College	May. 2022 - Present