

JIEFANG LIN

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EDUCATION

Southern University of Science and Technology

September 2020 - Present

B.S. in Computer Science and Technology

GPA: 3.82/4.0 (91/100, ranking 10%)

EXPERIENCE

SUSTech ARiSE Lab

August 2021 - Present

Undergraduate Research Assistant

- Read a large body of papers related to directed greybox fuzzing and symbolic execution.
- Considered to combine directed greybox fuzzing with symbolic execution, which can generate inputs with the objective of reaching a given set of target program locations efficiently while solve the tight branches.
- Implemented the combination of AFLGo and QSYM.

Teaching Assistant at SUSTech

August 2021 - Present

- Introduction to Java Programming A, Course#:CS102A *Sep. 2021 - Jan. 2022*
- Digital Logic, Course#:CS207 *Sep. 2022 - Jan. 2023*
- Algorithm Design and Analysis, Course#:CS208 *Jan. 2023 - Present*

SELECTED PROJECTS

SPL Compiler [\[code\]](#)

September 2022 - December 2022

- Designed a strongly typed C-like programming language
- Implemented the parsing, lexical and syntax analysis, IR and MIPS assembly code generation
- Supported advanced features like n-D array, Loop, Structural equivalence and scope checking

SUSTemblem

September 2022 - December 2022

- Implemented a *Fire Emblem* like WarChess game by UE5

HONORS

Outstanding Student Assistant Award

Jan. 2023

Meritorious Winner (Top 8%) in National Interdisciplinary Contest in Modeling

Mar. 2022

Second-class Merit Student Scholarship at SUSTech (Top 15%)

Oct. 2021 & Oct. 2022

Province-level 2nd Prize of Chinese Mathematical Modeling Contest

Oct. 2021 & Nov. 2022

DATA ANALYTICS SKILLS

Programming Languages
Software & Tools

Python, Java, C/C++, MATLAB, Shell, JavaScript, etc.
Docker, Latex, SQL, Git, etc.