Zhiyuan Zhong

 github.com/Cooper-Zhong

 [Personal Webpage](#)

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EDUCATION

Southern University of Science and Technology (SUSTech)   Aug. 2021 – July 2025 (Expected)

B.E. Computer Science and Engineering

GPA: 3.93/4.0

Ranking: 3/189

English Proficiency: TOEFL score 109 (Speaking 25)

Courseworks: Computational Ethics (99), Operating System (99), Natural Language Processing (100), Artificial Intelligence (94), Object-Oriented Programming & Design (96), Computer System Design (97), Computer Network (97), Computer Organization (97), Algorithms Design (95), Discrete Math (96)

EXPERIENCE

Web Mining at Summer Workshop, School of Computing, NUS   July 2023

Supervised by Prof. Lek Hsiang Hui, Letter Grade: A

- Completed a team project in the area of Web Mining where we mined and analyzed web data to model the housing prices in Beijing.
- Specifically, I learnt many web scraping skills including CSS selectors, selenium, BeautifulSoup; predictive analytics (machine learning) techniques including regression and classification; and basics of recommender systems. I gained a whole experience of solving data science problem through a standard workflow from data collection, processing to modeling.

Fuzzing Fastjson2 with Large Language Models   Sept. 2023 -Present

Supervised by Prof. Yepang Liu

- I am currently engaged in research about the application of Large Language Models (LLMs) within software engineering domain. More specifically, my focus lies in exploring LLM-based approaches to automate JSON library testing, trying to solve the problems including code and test oracle generation. I combined the idea of fuzzing and unit testing, and as of the end of May, discovered **30+** bugs in fastjson2, with **26** of them confirmed and fixed by the developers.

SUSTech Course Projects

- I've open-sourced most of the course projects on github, including a multitasking BERT on 3 downstream tasks, a BERT for toxicity classification, a dormitory selection backend system, a basic tensor library in C++, etc.

AWARDS

- First Class Outstanding Student Scholarship, 2022
- Second Class Outstanding Student Scholarship, 2023
- Outstanding Student, 2023
- Excellent Peer Mentor, 2023
- Outstanding Student Teaching Assistant, 2023
- Third prize (Provincial Level), China Undergraduate Mathematical Contest in Modeling, 2023