

# Shilong Li (黎诗龙)

[leemdragon233@yahoo.com](mailto:leemdragon233@yahoo.com) | [github.com/lethal233](https://github.com/lethal233)

## EDUCATION

### Southern University of Science and Technology

*B.Eng. in Computer Science and Technology*

- In Software Quality Lab, supervised by Prof. Yepang Liu
- GPA: 3.86/4.00 Ranking: 5/137

Shenzhen, China

*Since Sept. 2018*

## HONORS AND AWARDS

- 6<sup>th</sup> Chinese Undergraduate Physics Experiment Competition, First Prize, Dec. 2020
- 2020 Contemporary Undergraduate Mathematical Contest in Modeling, Winning prize in Guangdong, Oct. 2020
- Annual outstanding students scholarship, First Class, SUSTech, Oct. 2019 and 2020

## SERVICES

- **Student Volunteer**, The 42<sup>nd</sup> International Conference on Software Engineering (ICSE20)

## PROJECTS

### Assign-D-D | *Verilog, Minisys*

Nov. 2019 – Dec. 2019

- Implemented VGA display based on Minisys development board
- Visualized images and gif from ROM
- Visualized images and gif from serial communication

### 12306 Projects | *Java, SpringBoot, MyBatis, PostgreSQL*

Apr. 2020 – May 2020

- Collected information of almost all trains from China mainland
- Used third-party cache to accelerate fetching data
- Implemented multi-authority management system

### Phantom-OJ | *Java, Python, SpringBoot, MyBatis, PostgreSQL, Redis, Spring Security*

Sept. 2020 – Dec. 2020

- Communicate with front-end through REST API
- Implemented multi-authority secure system by Spring Security
- Used Redis for caching and cron for scheduling

### WIFI communication on STM32 | *C*

Nov. 2020 – Dec. 2020

- Establish and close connection by key pressing and serial debugging assistant
- Communicate with another WIFI module by serial debugging assistant and display on the LCD
- Automatic connection detection, and give tips under certain circumstances

### AI-projects | *Python*

Sept. 2020 – Dec. 2020

- Implemented Mini-max algorithm to combat with each other on Reversi
- Implemented IMP problem by IC and LT models
- Used sklearn to classify the comments

### HTTPS traffic capture and analysis | *Python, Baidu & Virustotal API*

Sept. 2020 – Dec. 2020

- Classify the traffic by IP address and MIME type
- Used Baidu & VirusTotal API to detect inappropriate or malicious content
- Applied LAN database to accelerate the detection
- Supported multiple platforms, e.g. MacOS, Ubuntu, Windows

### Software testing on quantum computing | Research Program Plan

Jan. 2021 – Present

- Empirically study the defects inside the quantum domain
- Design an automated tool for testing quantum programs

**Digital Design (CS207)**

*Southern University of Science and Technology*

**Introduction to Computer Programming (CS102A)**

*Southern University of Science and Technology*

Sept. 2020 – Dec. 2020

*Shenzhen, China*

Jan. 2021 – Present

*Shenzhen, China*