

# QIU JINHANG

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## Education

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### National University of Singapore

Bachelor of Computing in Computer Science

2023/08 – 2027/05 (Expected)

21 Lower Kent Ridge Rd, Singapore

- GPA 4.67/5
- Course: Programming Methodology I/II, Discrete Structures, Data Structures and Algorithms etc.

### Shanghai Jiao Tong University

Major in Clinical Medicine

2021/08 – 2023/08

Shanghai, China

- Undertook coursework in Medicine from August 2021 to July 2023.
- Transferred to National University of Singapore in August 2023
- Course: Systematic Anatomy, Regional Anatomy, Pathogen Biology, Molecular, Cellular and Organizations etc.

## Experience

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### Participation in Research Program

2023/06 – 2023/08

SJTU School of Life Sciences and Biotechnology, advised by Dr. Wei Ting

Shanghai, China

- Interned in a research program focused on developing a hierarchical graph network model to predict the survival risk of non-small cell lung cancer patients using deep learning.
- Assisted in extracting cell nucleus features to build a detailed graph network.
- Participated in evaluating model performance using multi-center data, including TCGA and external datasets.
- Gained hands-on experience with AI techniques and their application in medical data analysis.

## Projects

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### Bank Simulation

2023/02 – 2023/03

- Simulated a bank with several counters and add extension functions (i.e. deposit, withdrawal) using basic OOP principles.
- Added a queue to the bank and every counter to manage customer queue and handle dynamic scenarios.
- Incorporated a realistic customer departure mechanism when all counters are busy to simulate customer flow and reflect real-time decision-making at each bank counter.

### Gitlet

2023/05 – Now

- Simulated fundamental Git functionalities (i.e. init, add, commit, log, branch, etc), utilizing Java standard library
- Serialized data in .gitlet file to store old versions of files and commit tree using Serializable interface
- Tested through detailed unit and integration tests using the JUnit framework to ensure reliability and performance.

## Honors and Awards

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- Shanghai Jiao Tong University School of Medicine Undergraduate Academic Scholarship 2022/11
- First Prize, The Chinese Mathematics Competitions 2023/01

## Skills

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**Programming Languages:** Java, C++ and Python

**Tech Skills:** Vim