

# XING GAO

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## School Projects

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- Participated in Hackathon with 4 team members to solve a real-life problem for a company by writing a software to merge SQL database and stores it in a new .db3 file, resulting in increased the work efficiency by 30%
- Built a plane battle program in python, associated with Google Firestore database
- Created a multithreading chat room project that allows user chat with other under the same server
- Developed a semester-long gaming project with 4 team members in Python as a leader and developed the game structure
- Involved in the design a shell simulator in C++ to simulate the trajectory of the projectile
- Designed a library computer management system for the school, allowing students reserve computers, and administrators review and record information

## Skills

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### Knowledge:

Object Oriented Programming, Networking, Socket programming, Unit testing, Algorithm and Data Structures, Mathematic, Linux, Software Design, API, Parallel and Concurrent Programming, socket programming

### Languages:

Python, C++, Golang, JavaScript, SQL, C#, R

## Education

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### Brigham Young University – Idaho

September 2020 – April 2024

BS, Computer Science

Rexburg, ID

- GPA - 4.0
- Having a lot of teamwork experiences, having ability to reasonably allocate tasks among team members and track progress and help members achieve goals
- Constantly practice LeetCode
- Having good understanding of algorithms and data structures
- Math (Linear Algebra, calculus)
- Understood networking and computer system

## Experience

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### Brigham Young University-Idaho

April 2022 - Present

*Programming class Teaching Assistance*

Rexburg, ID

- Correct programs designed by students and leave feedback
- Cooperate with 100+ students
- Proficient in debugging tools and testing cases to verify students' code

### Church of Jesus Christ of Latter-Day-Saint

2018 - 2020

*Full-time Volunteer Representative*

Melbourne, AU

- Led over 30 volunteers in a area by training them
- Helped with their physical and mental health issues