LICHENG YI

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Education

Texas A&M University, College of Engineering   **College Station, TX**
Bachelor of Science: Computer Science | Concentration: Math   **Expected Graduation:** May 2027
Cumulative GPA: 3.89   **SAT:** 1510/1600 (99th percentile)
Honors & Awards: Dean's List (Fall 2023 - Spring 2024)
Relevant Coursework: Data Structures and Algorithms, Computer Organization, Object-Oriented Programming

Projects

DreamIdle | June 2024 - Present
- Programmed a Unity Game using C# based on keeping the players engaged by using mathematical bounding functions in conjunctions with exponentials
- Utilized Unity's Playerprefs to save and load data in a safe and efficient manner
- Implemented interfaces for currency classes and inheritance for parent-child relationships

Ags Reach Gift Drive | August 2024 - Present
- Created a website using Node.js and Javascript for the front-end to provide a platform for Ags Reach to host their yearly gift drive as well as give potential donors insight
- Queried data from a database for user login information using SQL
- Made use of HTML and CSS to style the website to look presentable and accessible to all visitors

Mars Rover | January 2024 - February 2024
- Tackled the challenge of coding a less bloated string class in C++ to preserve memory usage and Overloaded and wrote the entire string class from scratch
- Optimized the string class to be effective for a future Mars rover collecting samples

Personal Website | June 2024 - Present
- Produced a personal website using the Astro framework, which focuses on client-side interactions and the speed of the site
- Introduced a platform to be able to publish and expose the development of DreamIdle
- Developed a long-time hub for not only recruiters but also people interested in my hobbies and side projects

Dungeon Crawler | March 2024 - April 2024
- Used 2D Arrays to mimic a dungeon map and create a simplistic dungeon crawler in C++
- Prevented memory leaks and dealt with memory issues by correctly tracking allocation throughout the program

Awards

Summa Cum Laude | Plano West High School | May 2023

Leadership

Board Game Club | August 2022 - May 2023
Vice President of Outreach
- Helped facilitate general meetings once per week
- Developed insight on how to make engaging and fun products
- Supported new members in developing a healthy interest in various board games

Skills

Programming Languages: Astro, Javascript, HTML, CSS, Python, C++, C#, SQL, Vercel
Software: VSCode, Spyder, Logism, GDB debugger
Languages: Mandarin, English