Lucas Ma

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Education

Texas A&M University, College Station   May 2024
Bachelor of Science, Computer Science
GPA 3.96
Relevant Coursework: Data Structures, Algorithms, Discrete Structures, Computer Organization, C++

Projects

Image Manipulation | C++   March 2021 – May 2021
- Developed a program to resize the dimensions of an image without losing important details
- Implemented pixel energy to determine significant points on the image

Howdy Hub | Python, html   September 2021
- Developed a website that connects students in classes to personalized group chats
- Implemented a script that accesses data from A&M class database to ensure every class and section has an individual group chat.

Dungeon Crawler | C++   March 2021
- Recreated a simple dungeon crawler game using a text-based interface
- Project taught proper memory allocation and deletion techniques in low level programming languages

Experience

SEC Directed Internship   July 2021 – August 2021
- Collaborated with 4 students to produce a product design that was presented to a committee of professors and professors of practice
- Proposed a service that helps onsite workers showcase machinery and environmental hazards to remote employees using augmented reality

Tamu Hack   September 2021
- Collaborated with 3 students to create a A&M themed project in 24 hours
- Brainstormed, planned, and developed a working website that creates and distributes personalized group chats to every class at A&M.

Lifeguard   June 2021—August 2021
- Supervised patrons at local pool to maintain a safe environment
- Performed rescues and CPR in the event of pool emergencies

Skills

Languages: Python, Java, C++, html
Technically proficient at Microsoft office

Involvement

Texas A&M Filipino Student Association (PHILSA)
TAMU Club Volleyball