Justin Hancock

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EDUCATION

Texas State University   Expected May 2022
Bachelor of Science in Computer Science   San Marcos, TX
Minor in Applied Mathematics
GPA: 3.61 / 4.00
Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Parallel Programming, Fundamentals of Algorithm Design and Analysis, Intro to Databases

Austin Community College   May 2017
Physical Therapist Assistant Associate of Applied Science

SOFTWARE PROJECTS

Simple Shooter: Physics-based Self-Designed Game   June 2021
- Implemented gameplay logic in a 3D environment with C++ in Unreal Engine
- Programmed artificial intelligence behavior for "enemies" to interact with the player.
- Utilized vector math to implement realistic 3D physics in the game world.
- Made use of Object-Oriented Programming techniques to ensure code quality.

Parallel Programming: Model Analysis   Nov 2021
- Developed algorithms in C++ and benchmarked across various Application Programming Interfaces including OpenMP, CUDA, POSIX, and MPI to compare respective advantages or disadvantages.
- Performed large multiprocessor computations on Frontera, a petascale supercomputer system.
- Implemented algorithms such as the Collatz conjecture to test seemingly random sequences.
- Measured and interpreted performance metrics to determine efficiency of differing APIs.

Website Clone

EXPERIENCE

Licensed Physical Therapist Assistant   July 2017 – Present
- Worked in several professional settings including hospitals, outpatient clinics, and nursing facilities.
- Maintained 90% efficiency standard in terms of treatment time and total hours worked.
- Coordinated with large teams to give patients quality care based on changing performance indicators.
- Conducted meetings with patients and other healthcare professionals to guarantee efficient communication and coordination. Maintained a productive dynamic schedule while prioritizing tasks based on importance and possible changes in patient needs.

TECHNICAL SKILLS

Languages: Experienced in C, C++. Familiar with Python.
Other Frameworks & Technologies: Linux, Git/GitHub, Unreal Engine, CUDA.

HONORS & DISTINCTIONS

Dean's List (2019-Present): Awarded to students with above a 3.5 GPA in a given semester.