Gage Dugas

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EDUCATION

Texas State University Jan 2019 – Aug 2022
- Bachelor of Science in Computer Science San Marcos, TX
- Minor in Applied Mathematics

EMPLOYMENT EXPERIENCE

Engineering Technician II Aug 2023 – Present
Applied Materials. (Yoh Services LLC; Contract Aug 2023 - Nov 2024) Austin, TX
- Proficient at testing and troubleshooting semiconductor etching systems in a clean room environment.
- Testing experience on Centris Sym3 “Dry” (Plasma) etching chambers with associated RF generators.
- Utilizes electronic measurement equipment such as multimeters and leak detectors for troubleshooting.

Restaurant Server May 2015 – Jan 2019
Sushi Zushi. Austin, TX
- Refined skills in communication, teamwork, customer service, problem solving, and multitasking.

SOFTWARE PROJECTS

Personal Website Jan 2025
https://github.com/GageDugas1/website.html
- Hosted a personal website on GitHub written in HTML & CSS using tools WSL, Ubuntu, and VS Code.
- Attained knowledge independently by utilizing cost effective online resources and seeking peer advice.

Software Engineering Project July 2022 – Aug 2022
https://github.com/GageDugas1/LibrarySystem
- Actively collaborated with a team in weekly discord meetings to produce a Library System with GUI.
- Developed software documents, diagrams, and test cases based on specific software requirements.
- Produced a fully functional final software product using object-oriented design, Java, and Java Swing.

Simulation of CPU Scheduling Algorithms Aug 2021 – Dec 2021
https://github.com/GageDugas1/Scheduling
- Produced a discrete-time event simulator for CPU scheduling algorithms on a single CPU system.
- Compared performance metrics for First-Come First-Served and Round Robin scheduling algorithms.
- Created the simulation in C++ on Linux as a team by using voice chat, screensharing, and filesharing.

UNIVERSITY COURSEWORK

Parallel Programming Jan 2022 – May 2022
- Utilized the Frontera supercomputer to determine compute times for numerous scheduling methods.
- Evaluated the performance differences while running on Fronteras GPU cores versus its CPU cores.

Computer System Security Jan 2022 – May 2022
- Scanned local network IP addresses with Nmap and used Wireshark to view HTTP & DNS packets.
- Configured file access controls on Kali Linux to give multiple groups access to a shared directory.

Algorithms Design and Analysis Jan 2022 – May 2022
- Familiarized with how to develop and evaluate many different algorithms in time and space complexity.
- Created several types of searching & sorting algorithms, Linked Lists, Binary Trees, and Hash Tables.

TECHNICAL SKILLS

Languages: Proficient in C, C++, and Java. Familiar with Python, Assembly, HTML, and CSS.
Frameworks & Technologies: Git/GitHub, Linux, Kali Linux, Ubuntu, WSL, Wireshark, Nmap, and VS Code.