Michael R. Paulson

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1300 Summer Oak Drive, Austin, Texas 78704

Knowledgeable computer science student and IT support specialist with a strong work ethic and customer service background. Works well independently, but also enjoys roles in a group setting. Provides five-star customer service with a strong ability to troubleshoot in high stress environments. Skilled in identifying client and business needs and designing efficient solutions to complex issues.

Education

Computer Science (BS) minor focus in business admin

Texas State University - San Marcos, TX | 3.82 GPA   *Graduation 12/2021*

- Dean's List each semester attended
- Member of The National Society of Leadership and Success

Coursework + Skills

- Object Oriented Programming and Design (Java)
- Computer Architecture
- Data Structures and Algorithms
- Probability and Statistics
- Calculus II + Physics II

- C++
- Java
- JavaSwing (GUI)
- Linux
- Assembly

Projects

-Disassembler + Emulator- C++

Implemented the decoding method of a disassembler that reads MIPS machine instructions from a (simplified) binary executable file and prints each assembly language instruction to the screen. The emulator reads MIPS machine instructions from the provided binary executable files and correctly simulates their behavior, i.e. emulates a MIPS CPU that executes the program.

-Cycle-accurate simulator of a pipelined MIPS CPU- C++

We used the previous emulator to create a timing model, which simulates enough of the cycle-level behavior of the hardware to allow it to determine the runtime of an instruction sequence.

-Data Cache- C++

We further enhanced the simulator to model pipeline stalls due to memory latency and simulated a data cache to study the performance impact of caching.

-Sentiment Analysis- Java

Implemented a graphical user interface using JavaSwing to create a movie review database. Using an existing machine learning library, we classified movie reviews as positive or negative. We then added the reviews to a serialized database, which can be extended by adding new movie reviews. A user can also search that database to refer to specific movie reviews by id or substring.

Work History

Technical Intern

- Edwards Aquifer Authority - San Antonio, TX   *8/2020 – 12/2020*

- Perform Software Testing / System Testing of newly developed $250,000 software.
- Efficiently communicate with internal employees, requesting them to execute specific testing while logging and organizing their resulting issues/successes via excel and ticketing systems

Branch Manager

- Square Cow Moovers – Austin, TX   10/2012 – 05/2016

- Lead team in building new branch of the company which surpassed the success of all previous branches throughout Texas within the year
- Highest performing salesperson booking $1.2 million/year