Michael Washington

(915) 328-5213 ● michael.washington.1029@gmail.com ● mclwashington.dev

EDUCATION

The University of Texas at El Paso   **Anticipated Graduation: May 2026**

Bachelor of Science in Computer Science, Concentration in Software Engineering   **GPA: 3.9/4.0**

EXPERIENCE

Mauro Rincon Business Development Enterprises, Internship: **Jul. - Aug. 2023**
- Designed and developed multiple websites for clients.
- Implemented Google Analytics in order to show real-time traffic statistics of the site in a presentable manner.
- Developed a real-time support ticket tracking system for a commercial gym company using Python.

Relevant Coursework:
- Data Structures and Algorithms/CS 3, Computer Organization and Architecture, Automata, Calculus II, Matrix Algebra

Skills:
- Proficient in: Java, Python, Pandas, C, Linux, React.js, C++, JavaScript, Git

PROJECTS

Work Done by Heart Simulation   **Nov. 2023**
- Contributed to a group project where we calculated the amount of work done by the left ventricle of a heart when it beats based off of data collected during a 5k run.
- Using various python libraries, such as Pandas, NumPy and BeautifulSoup, I was able to analyze data, calculate the power during different segments of the race, and create a graphical display.
- Determined that the average power of the right ventricle was approximately 0.2548 watts, and the average power of the left ventricle was 1.4 watts.

Blackboard EZ Log-in Tool   **Nov. 2023**
- Developed an application in Python that locally stores user data to simplify the log in process for Blackboard, which is UTEP's instructional website.
- Reduced login time by 66% by utilizing HTML parsing and Selenium, a framework used to connect Python to different web browsers.
- Generates data file using exception handling to allow updating the credentials for blackboard.

Achievement Hub   **Jul. 2023**
- Designed and developed a personal website using HTML and CSS to showcase my skills, projects, and achievements.
- Redeveloping to use React.js to create a more responsive and visually appealing site.
- Contains a link to my GitHub repo with some of my personal projects.

Calculator with GUI   **Jul. 2023**
- Developed an app that serves as a basic five-function calculator in Java.
- Designed an interactive GUI using Swing so that the user can input numbers and select from five operations.
- Implemented object-oriented programming principles to enhance the structure and readability of my code.

Snake Game   **May. 2023**
- Utilized object-oriented programming in Java to create a rendition of the classic "Snake Game."
- Created and designed UI using Swing, a built in Java library made to design and implement GUI functionality to Java programs.
- Analyzes which key is pressed in order to have the GUI respond swiftly.

EXTRACURRICULARS

Membership
- Google Student Developer Club, Officer
- Free and Open-Source Software Club, Member
- Coding Interview Club, Member
- Association for Computing Machinery, Member
- University Honors Program, College of Engineering, Member
- Dean's List