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**: 3.8/4.0**

EXPERIENCE

Relevant Coursework:

- **Data Structures and Algorithms/CS 3:**
  - Acquired problem-solving techniques to stay productive when a difficult situation arises.
  - Voluntarily worked with a group of peers outside of class to teach them the concepts they struggled with.
  - Developed critical learning skills to help master my understanding of varying algorithms.
- **Discrete Math; Calculus II; Automata, Computability and Formal Languages**

Programming Languages:

- **Intermediate:** Java, Python
- **Beginner:** C#, C, HTML, CSS, JavaScript

PROJECTS

Personal Website **Jul 2023 - Current**

- Designed and developed a personal website using HTML and CSS to showcase my skills, projects, and achievements.
- I plan to keep this website up to date and to change it when I learn new skills. For example, I am still learning JavaScript, however, I will implement JavaScript when I am more comfortable with the language.

Calculator with GUI **Jul 2023**

- Developed an app that serves as a basic five-function calculator in Java.
- Designed a GUI using Swing so that the user can input numbers and select from five operations, along with a button to clear inputs in order to continue using the app without restarting.

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.
- The game functions around an infinite loop that allows movement of the snake, random placement of the apple, and checks for collisions that will end the game.

UTEP Log-In Bypass Application **Apr 2023**

- Developed an application in Python that automatically logs in to the service we use at UTEP for coursework.
- The application initially asks the user to input their username and password, which are stored locally in a text file, then the program opens a new tab and analyzes the HTML for certain classes, where the program then clicks or enters the information from the text file mentioned earlier, in order to login without the user inputting additional information.
- Reduced login from 15 seconds to 5 seconds.

EXTRACURRICULARS

Membership

- University Honors Program, College of Engineering **2023**
- Google Student Developer Club **2022, 2023**
- Dean’s List **2022, 2023**