

# Youssef Muhiar

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## OBJECTIVE

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Seeking an internship in software design, development, and testing with an opportunity to work in a challenging environment that capitalizes on my current experience, talent, drive, and determination.

## EDUCATION

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B.S. in Software Engineering  
The University of Texas at Arlington

Graduating 2024

## TECHNICAL SKILLS

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Software: JavaScript, HTML, CSS, Java, C, C++, MATLAB, Python, Arduino, Git, Unix  
Spoken Languages: Fluency in English and intermediate fluency in Spanish.

## PROFESSIONAL EXPERIENCE

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### Runatek, Inc. (Dallas, TX)

January 2022 – May 2022

Software Development Intern

- Lead a team of 3 people to program a sleep code for an Arduino Seeeduino XIAO that would cycle in and out of sleep mode for battery conservation every 14 minutes.
- Developed a front-end GUI application in Python for doctors to use for monitoring patient pain medicine dosage data in a team of 3 developers.
- Collaborated in a team of 3 to program a limit to the amount of button presses for pain medicine dosages made for the Arduino Seeeduino XIAO.

## PROJECTS

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### Student information exchange (JavaScript, HTML, CSS)

August 2022 – December 2022

Website that functions as a social media platform for students to use for their specific university.

- Collaborated in a team of 4 people to create a responsive website.
- Employed Firebase to host backend information such as user login credentials, posts, and messages.
- Utilized JavaScript for the functionality of the website features, HTML for the user interface of the website pages, and CSS for the style of the user interface.
- Focused on writing the tutoring services feature, forming clubs feature, login and registration part, and the advertisements throughout the website.
- Designed 8 unique button styles for certain pages on the website.
- Created the home page and 4 navigation pages which prompts the same styled menu on each navigation page with options on where to navigate on the website.
- Produced a menu bar on the top of each navigation page which can take you to the 5 navigation/main pages on the website.

### SHELL PROGRAM (C)

September 2022 – October 2022

Shell program like Bourne Shell (Bash)

- Wrote a shell program that accepts and can execute 10 commands.
- Implemented support for up to 10 command line parameters in addition to the command.
- Built support for the listpids command to list the PIDs of the last 20 processes spawned by the shell.
- Set up support for the history command which would list the last 15 commands entered by the user.

### BINGO GAME (C)

September 2021 – October 2021

Single player Bingo game.

- Worked individually to make a bingo game written in C.
- Designed Bingo game board digitally which functions to mark spots called and correct spots.
- Generates 25 of 32,760 unique Bingo combinations per game which cannot be repeatedly called in one game.
- Implemented 12 ways to win the game.