Agustin Rubio

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EDUCATION

University of Texas El Paso   Anticipated: 07/2027
B.S. Computer Science

Honors & Affiliations:

08/2023

Texas Leadership Scholarship, 08/23

Relevant Coursework:

Introduction to Computer Science, Data Structures, Digital Systems, Discrete Mathematics

2nd year Current Classes: Digital Systems Design I, Discrete Mathematics, Data Structures/Algorithms, History U.S 1865

PROJECTS

Intro to Computer Science 1   3/2024-3/2024
Miner Eats   El Paso, Tx

- Created a Java program Menu that interacted with the user's options.
- The program allowed the user to store elements of their choosing, delete elements, and was able to give them the amount that each element cost with a tax added to it.
- Utilized scanners to read the file and storing the user option, try catch to define any option or reading errors, switch cases for the menu available choices, and if statements to correctly apply updates.

Intro to Computer Science 1   4/2024 – 4/2024
Maze   El Paso, Tx

- Created a Java program that allowed the user to interact with different Maze files.
- Utilized scanners and for loops to traverse around the users chose text file.
- Applied if and switch case to find the current position of the user and updated when they have moved, and when they have hit a wall or out of bounds there was an addition to recursion to allow the user to continue trying indexes that are available for them to move.

Computer Science 2(Data Structures)   9/26/2024 – 10/3/2024
Lab 4   El Paso, Tx

- Worked on school given Java Program to add methods for the text file to store elements and printing them according to the assignment by using split.
- Created a method to reverse a string, count the number of occurrences, have a Boolean method that return if string is a palindrome, create a Fibonacci method counting up to 10, and printing a array list in reverse order.

VOLUNTEER EXPERIENCE

MEDIA   07/2024 --Present
WORSHIP CENTER   El Paso, Tx

- Controls the stage lights during performance
- Tech set up PowerPoint slides to showcase through the projectors
- Assisting with volume and connections for instrument operations

TECHNICAL STRENGTHS

Proficient with Visual studio and Subline Texts: Java language.
Basic HTML and CSS. Excellent with Xilinx Vivado and LabVIEW. Fluent English and Spanish.