Edwin Trejo - Software Engineer

Linkedin: https://www.linkedin.com/in/edwin-trejo-3030601b7/
Github: https://github.com/Edwin-Trejo

Email : etrejo9@miners.utep.edu
Mobile : +1-915-262-7153

EDUCATION

The University of Texas at El Paso   El paso, TX
B.S in Computer Science; GPA: 3.0   *Expected: May 2023*
Concentration in Software Engineering with Minor in Mathematics

Courses: Software Engineering, Database Management, Software Construction, Adv. Object-Oriented Programming, Computer

Architecture/Organization, Automata, Design/implementation of programming languages.

PROJECTS

Cyber Vulnerability Assessment Software
Academic Project   *November 2022*
- **Implementing documentation for future Development of software**: Currently working with a team as the quality manager on a project for the U.S. Department of Defence. Working in the formal aspects of software development such as requirement elicitation, planning, design, data flow diagrams, feasibility study, and prototypes.

Personal website development - https://edwin-trejo.github.io/
Personal Project   *Ongoing*
- **Developing portfolio using HTML and CSS**: Constantly updating and improving my personal portfolio as I learn more about HTML and CSS. Website hosted in GitHub. This is a personal project in where you can find my other projects, personal data, GitHub repositories, and resume.

xv6 OS utilities implementation
Academic Project   *September 2022*
- **Implemented utilities for xv6 Operating System**: Utilized xv6 kernel with Ubuntu and C to implement utilities such as sleep, ps, pstree, and wait. Learned important aspects of kernel such as interrupts, and system calls. These utilities ran using QEMU and RISC-V and will perform the same functions than the utilities used in a terminal.

RV32 Interpreter in C and Oracle VM Virtual Box
Academic Project   *March 2022*
- **Designed a 32-bit RISC-V interpreter in C and Oracle VM VirtualBox with a Linux operating system**: Interpreter tokenizes a string, reads the instruction, and executes using Linux console, assigning the correct value to the destination register.Understanding of RISC-V, interpreters, and machine language was fundamental for this project.

Supermarket PLU list website
Academic Project   *February 2022*
- **Implemented PLU website utilizing PHP, HTML and CSS**: Created a Supermarket PLU list from where the user can see the item name, PLU number and item image if available, for the store to use as reference. Login required for the user to edit the list. After login, manager options are displayed, user is able to add a new item, PLU number and image from current device.

WORK EXPERIENCE

Webmaster   El Paso, TX
The University of Texas at El Paso   *September 2022 - Present*
- **Website modifications and additions**: Helping creating, editing, and updating any UTEP website that needs attention using Cascade CMS, HTML and CSS. Assists troubleshooting and fixing any errors on all the websites assigned to me. Knowledge earned researching on my own. Requirement elicitation and proper planning is for all projects.

Personal Shopper   El Paso, TX
Wal-Mart Stores, Inc   *October 2020 - August 2022*
- **Customer Service and problem fixing**: Responsible for answering customer calls and helping them by providing assistance, resolving issues or checking in orders. Worked picking items for customers from the sales floor, attention to detail was necessary in order to prevent mistakes. In charge of fixing mistakes in case of an error in a customer's order.

SKILLS SUMMARY

- **Skills**: Object Oriented Programming, Web Development, iOS Development, Data Structures, MySQL, macOS, Windows, Linux, Declarative programming, **Bilingual:** English/Spanish

- **Proficient**:   Java, C, and Python. **Intermediate:** HTML and CSS, PHP, SQL, Swift, and Bash.
  Previous Experience: Prolog, Ruby, Lisp, Perl, and Haskell.

- **Tools**: VMware Fusion, GIT, Visual Studio, VM virtual box, XCode, Eclipse, Atom, Overleaf.

- **Soft Skills**: Reliable and Consistent, Teamwork, Adaptability, Problem-solving, Committed to learn