Edwin Trejo - Software Engineer

Email : edwin_trejo19@outlook.com
Mobile : +1-915-262-7153

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

EDUCATION

- **The University of Texas at El Paso**   El paso, TX
  BS in Computer Science; GPA: 3.17   *May 2023*
  Concentration in Software Engineering; Minor in Mathematics

WORK EXPERIENCE

- **Computer Support Technician**   El Paso, TX
  Stewart EFI, LLC   *March 2023 - Present*
    - **Computer Support Technician**: Excellent problem-solving and critical thinking skills required. Installed, modified, cleaned, and performed repairs to computer hardware, printers, and software. Troubleshot problems and provided technical support. Provided technical solutions for recurrent issues with hardware, and software.

- **Webmaster/Web Developer**   El Paso, TX
  The University of Texas at El Paso - Dean of Students Office   *September 2022 - May 2023*
    - **Webmaster for the Dean of students office**: In charge of managing 6 different websites from the student affairs division at UTEP. Constantly creating, updating, and fixing websites that needed attention or by request. Utilized Cascade CMS, HTML and CSS, JavaScript, and Bootstrap. Mentored student workers on the basics of Cascade CMS.

- **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 solving issues in case of an error in a customer's order.

PROJECTS

- **Cyber Vulnerability Assessment Software**
  Academic Project   *November 2022 - Ongoing*
    - **Quality manager for software development team**: Contributed as the quality manager for the documentation and code implementation in an agile team. Implemented the SRS document, and source code. Project assigned by the U.S. Department of Defence. Utilized FReMP stack framework (Flask, ReactJS, MongoDB, Python). Implemented the formal aspects of software development, and code following CRC cards, design by contract, and protocols.

- **Website Design & Implementation - "The Upside Down"**
  Academic Project   *April 2023*
    - **Worked in an agile software team to develop theme park website**: Utilized Agile methodologies to plan, design, develop, and test a fully functional theme park website. Developed in JavaScript, html, css, and Firebase for the database, authentication, and hosting services. Excelled in teamwork, communication, and team collaboration.

- **Linux operating system utilities implementation**
  Academic Project   *September 2022*
    - **Implemented utilities for xv6 Operating System**: Utilized xv6 kernel with Ubuntu Linux, and C programming language to implement System calls, and command line utilities such as sleep, ps, pstree, wait, free, fstat. Worked with QEMU machine emulator, and RISC-V. Earned experience working with Operating systems such as Linux, xv6, kernel.

- **32-bit RISC-V interpreter**
  Academic Project   *March 2022*
    - **Designed a 32-bit RISC-V interpreter in C and Oracle VM VirtualBox with Linux Operating system**: Implemented an interpreter that receives, parses, executes RISC-V instructions, and stores them in memory. Execute instructions such as add, and addi and store in corresponding registers.

SKILLS SUMMARY

- **Skills**: Software development methodologies, front-end and back-end development, Data Structure and Algorithms, source control, Linux (UNIX), Object-oriented programming, Testing procedures.

- **Languages**: **Native/Bilingual:** Spanish, English.

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

- **Tools**: VMware Fusion, GIT, VS Studio, VM virtual box, XCode, Eclipse, GitHub, Overleaf, Firebase, React, MongoDB.

- **Soft Skills**: Communication, Teamwork, Adaptability, Problem-solving, Committed to learn, Attention to detail.