

Edwin Trejo - Software Engineer

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EDUCATION

- **The University of Texas at El Paso** El Paso, TX
B.S in Computer Science; GPA:2.94 *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

- **iOS mobile app development** *Ongoing*
Personal Project
 - **Developing mobile app projects:** Currently working on personal projects developing iOS mobile apps utilizing Swift and XCode. Planning and design process conducted using use case diagrams, class diagrams, and collaboration diagrams.
- **Personal website development - <https://edwin-trejo.github.io/>** *Ongoing*
Personal Project
 - **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** *September 2022*
Academic Project
 - **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** *March 2022*
Academic Project
 - **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** *February 2022*
Academic Project
 - **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

- **Student Web Developer** El Paso, TX
Dean of Students Office, UTEP *September 2022 - Present*
 - **Website modifications and additions:** Helped creating, editing, and updating the Office of Student Fellowships and Awards website using Cascade CMS together with HTML and CSS. Worked in a team with a graphic designer planning and designing the website. Requirement elicitation and proper planning is always required 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
- **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.
- **Bilingual:** Spanish, English
- **Soft Skills:** Reliable and Consistent, Teamwork, Adaptability, Problem-solving, Committed to learn