

# Cesar Fuentes

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## EDUCATION

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**Texas A&M University** - Bachelor of Science in Computer Science | GPA: 3.9

MAY 2023

- **Relevant Coursework:** Data Structures & Algorithms, Discrete Structures for Computing, Computer Organization, Programming Languages, Intro to Computer Systems, Programming Studio, Design & Analysis of Algorithms, Software Engineering, Computer Graphics, Computer Animation, Artificial Intelligence, Database Systems, Operating Systems, Senior Capstone Design
- **Honors/Awards:** Dean's Honor (2020-22), President's Volunteer Service Award (2022, Bronze)

## WORK EXPERIENCE

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**Publicis Sapient** - Software Engineering Intern

JUNE – AUG 2022

- Engaged in a comprehensive 5-week training program centered on core principles in software engineering.
- Collaborated with 7 interns to develop a digital, full-stack solution for one of the company's clients.
- **Improved the management of optimization models** by developing an interface that performs what-if analysis and visualizes the results, resulting in usage by our client.
- **Increased data processing speed by 200%** using an automated data processing workflow that parses multiple spreadsheets in various formats.

## LEADERSHIP EXPERIENCE

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**TAMU UNICEF** - President

SEP 2019 - MAY 2023

- **Fostered 100+ hours of children-based volunteering** by coordinating and motivating college students on my campus (in the 2023 school year).
- **Increased funds raised for charity by 20%** by spearheading new fundraising events (in the 2023 school year).
- Created 50+ pages of documentation outlining various facets of the organization. This initiative aimed to reduce misunderstandings, and facilitate seamless year-to-year transitions, resulting in a 100% positive feedback rating.

## PROJECTS

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**Las Huastecas** (E-Commerce Website)

MongoDB | Express | React | NodeJS | Tailwind

- Implemented state management using redux to store product, cart, and user information.
- Created reusable components and custom hooks to extract stateful logic.

**CESARFUENTES.COM** (Portfolio Website)

React | Tailwind

- **Improved responsiveness for better user experience** across various devices and screen sizes, earning a 93% accessibility page score (from SiteImprove) and a 100% mobile-friendly score (from HubSpot).

**Space Simulation** (Video Game Engine)

C++ | OpenGL

- **Secured 1st place in a class vote** by designing and implementing a 3D OpenGL video game engine that effectively emulated space dynamics through various particle systems,
- Applied Object-Oriented Programming principles to identify and categorize classes for effective organization.

## TECHNICAL SKILLS

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- **FRONT-END:** React (Redux, Components, Hooks), Angular, Tailwind, Sass,
- **BACK-END:** NodeJS, Express, MySQL, MongoDB, Python
- **LANGUAGES:** C++, HTML, CSS, Javascript, Python, Swift, PHP, C
- **DEVELOPER TOOLS:** Docker, Jira
- **WEB DESIGN:** Figma, Photoshop

**Interests:** Graphic Design, Volunteering, Nintendo Switch Games, Huasteca Cuisine, Thrifting, Running (4x/week)