

Santiago Hernandez

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OBJECTIVE

Software Developer specializing in C++ VR development. I am looking for a full-time job or internship that will broaden my XR knowledge and help me grow as a developer.

TECHNICAL PROJECTS

VR (Architecture Explorer and Light Painter)

- Used Unreal Engine to build various forms of VR locomotion systems (Blinkers, Teleporting, Climbing).
- Coded a VR Application in C++ that draws and saves paintings using the Oculus Quest 2 Hand controllers.
- Designed VR UI using Figma and Built a User interface that loads various paintings.
- Learned VR Performance Optimization to keep Light Painter and future projects running at 90 fps.

C++ UE4 (Toon Tanks and Simple Shooter)

- Created projectiles used by tanks and turrets to create a Tank Game.
- Created and applied Animations, gun classes, and behavior trees to create Simple Shooter Game
- Made sure to write reusable code.

Pathfinder Visualizer Project

- Use React framework to construct a PathFinding Visualizer that finds the shortest path between two Nodes.
- Used pathfinding algorithms and CSS Transitions to illustrate the Shortest path.
- Organized Project to meet standard Software Engineering practices.

WORK EXPERIENCE

Zero Latency (VR) – Game Master

October 2020 – Present

- Handled and cared for HP VR Equipment including Reverb G1 and HP Workstation Backpack
- Performed troubleshooting due to backpack malfunctions.

Pappasito's Cantina - Server

May 2018- August 2020

- Provided great service using teamwork and multitasking in a fast-paced environment.

Wilsons Leather – Sales Associate

October 2016 – May 2018

- Took care of shipment, customers, transactions, and maintenance of the store.

SKILLS

- **Languages:** C++, ReactJs, JavaScript, HTML, CSS, Python, and Spanish
- **Other Programs:** Unreal Engine and Blender
- **Experience:** Data Structures, Algorithms, Time complexity Analysis, Sales, Serving, and Presenting

VOLUNTEERING

Bonfire- Member

- Helped private properties clear up land through manual labor with A&M students.

Christmas Fiesta event- Performer

- Volunteered as a Christmas show performer and handed out gifts to kids in need.

Big Event- Volunteer

- Helped out the College Station by cleaning, organizing, and building for the community.

Texas A&M University- Computer Engineering

August 2018 – May 2020

GPA: 2.511

Lone Star College- Basics

August 2016 – December 2020

GPA: 3.22