

DIEGO MINAYA

COMPUTER SCIENTIST



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SUMMARY

Award-winning 3D animator with a special experience in AR and VR projects involving a combination of art and science applications. Object Oriented Programming using C++, C# and Python. Web Developer with experience in Django framework, MySQL, CSS and JavaScript

WORK EXPERIENCE

VR Developer WKU XR lab

June 2021 - July 2022

- Implemented Robot Locomotion using C#, including local and world movement with rotation limits.
- Worked in research laboratory coding, modeling, texturing, animating, and testing projects.
- Coded a storage motion system to repeat robot movements or loop them.
- Created several experiences for a wide variety of hardware, including Oculus 2 and Microsoft HoloLens
- Implemented hand tracking capabilities into our project.
- Collaborated with team members from different backgrounds

EDUCATION

Western Kentucky University

August 2018 – May 2022

Computer Science

Computer Animation

Game Design Certificate

AWARDS

- Poster Contest Award for ACM Mid-Southeast Chapter Conference
- Art Student Juried Show (November – 2021)
- Baker Scholarship Award
- IEEE (Programming Contest)
- Scientific Poster Award 52nd Annual Student Research

PERSONAL PROJECTS

Implementing A* search algorithm in puzzle games

September 2019 – December 2019

Developed three puzzle games using java and ported them to android and HTML 5. Created basic artificial intelligence that searches for the easiest path to win the game.

Augmented Reality Gallery

October 2021 – November 2021

I prepared the 3D models to be AR ready as well as setting up the videos, models, images, and QR Codes for the gallery. It is estimated that over 200 attendees visited the gallery.

VR Game Programmer

June 2021- July 2022

Created a VR Golf Game for all ages. Coded a variety of C# scripts for game mechanics and optimized the Game for the Oculus Lab

SKILLS

- C++, C#, Python
- HTML 5, CSS, JavaScript, Django Framework
- Ureal Engine, Unity
- Blender, Maya
- Substance Painter, Gimp, Photoshop

LANGUAGES

- Certificate of Academic Excellence at English as a Second Language WKU (English)
- Upper Intermediate Level (German) B2
- Spanish (native speaker)