

DIEGO MINAYA

COMPUTER SCIENTIST & XR DEVELOPER



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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

XR Developer WKU XR lab

June 2021 - Present

- 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)

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.

Architectural Visualization and 3D Animation

September 2012 - Present

Published projects have been downloaded over 1000 times on Blendswap and Sketchfab. Created and revised projects for and Augmented Reality gallery.

VR Game Programmer for a film study

January 2021- May 2022

Created a VR cinematic experience for kids. Coded a variety of C# scripts for game mechanics including puzzles, driving and dancing mechanics.

REFERENCES

Michael Galloway

Professor of Computer Science

Western Kentucky University

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Qi Li

Professor of Computer Science

Western Kentucky University

qi.li@wku.edu

Joon Sung

Professor Computer Animation

Western Kentucky University

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SKILLS

- C++, C#, Python
- HTML 5, CSS, JavaScript, Django Framework
- Blender, Maya
- Premiere Pro, After Effects, DaVinci Resolve
- Substance Painter, Gimp, Photoshop

LANGUAGES

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