

David Morales

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Education:

Carnegie Mellon University
Pittsburgh, PA | 2016-2022
Master of Entertainment
Technology
BS in Computer Science
Minor in Game Design
Minor in Physics

Technical Skills:

Coding Languages:

C#, C++, Python, C, Java

Software:

Unity, Blender, Maya

Job Experience:

Gaming Cypher - Games
Journalist
2018 - 2020

G3 Technologies - Software
Engineer
Summer 2019

Snob Bog - AR Software
Developer
Summer 2020

Universal Creative -
Technical Intern
Summer 2021

Activities:

Cosplay@CMU
2016 - present

Kiltie Band
2016 - 2020

Relevant Coursework:

53312 - Guest Experience and Theme Park Design

53376 - 360 Story and Sound (C#)

98166 - Intro to Video Game Analysis

53451 - Research Issues in Game Development (C#)

15462 - Computer Graphics (C++)

53831 - Building Virtual Worlds (C#)

53613 - Experience Design

Relevant Projects:

Sawblades (Unity, Blender)

- Worked with a team as lead programmer to create a virtual reality game for the HTC Vive
- Presented the game to playtesters for constructive feedback

EmbodyVR (Unity)

- Designed a character and storyline to be experienced using the Leap Motion in VR
- Production revolved around removing the boundary between VR and reality

Peppo (Unity, Blender)

- Worked with a team as lead programmer to create an AR game using a holographic Looking Glass display and a Leap Motion
- Wrote background music to set the mood of each scene

Recorder Bot (Python, Arduino)

- Designed a GUI for music composition
- Wrote Arduino code to parse the inputted music notes and actuate servo motors to play a recorder

Snob Bog (C#, Tensorflow)

- Developed an AR app including 3D reconstruction to render characters in 3D space using occlusion
- Used Tensorflow to train and deploy an object detection machine learning model

Molten Corps (Unity, Blender)

- Set deadlines and delegated tasks as team producer
- Modeled environmental objects as 3D artist