IEEE Student Presentation 11-9-2023

If you have any questions please reach me on ODU Microsoft Teams and or JShull@odu.edu

Notes on Presentation

This is just to keep me honest! Presentation was done in ThingLink and hosted via an embedded iFrame on my personal website.

- Presentation Link
- JShull GitHub
- ThingLink
- ODU GitHub Enterprise Registration Request

Researchers at VMASC Featured in the Presentation

- Dr. Jessica Johnson
    - Research I work closest with — we are building an empire of educational software
    - Doing work in AR/VR/XR
    - Interactive STEM workshops
    - Building all sorts of things
    - Email Dr. Jessica Johnson
- Dr. Yiannis Papelis
    - Recent Research Grant — Flexible Simulation Capabilities to Test Autonomous Vessels
- Dr. Sachin Shetty
    - Recent Research Grant — Small VA Business Guard Against Cyberattack
- Cathleen Rhodes
    - Queer History Walking Tours
    - Contact Cathleen

VMASC Game Design Classes Spring 2024

- Unity CRN Lookup: 31608: M&W 3-4:15pm
- World Building CRN Lookup: 29702: T&R 10-11:15am

All Video Links in the Presentation

Video Links

SeaLab Video	Meet John	VMASC Mixed Media Demo Real 2022-2023
VMASC Demo Reel 2021	Meet BaTo	RDPN About Video
RDPN AR Video	Big Blue Rig	Davids Project
Our Own Spaces	VR Philosophy	Steam on Spectrum Event
ODU Library RT Twitter	Digital Senses VR	Deep Past
Digital Shipbuilding	STEM Powerment	MCX Visualization BulkHead
Markdown Guide	3D IoT Buoy Prototype	Buoy Footage During a Storm
BlueTech B-Roll	Queer History Our Own	Queer History Rainbow Cactus
Queer History Outright Books	HoloLens AR Nasa Langley Compressor Field	

Software Links

GitHub Plugs	Unity Plugs
Git Download Windows	Unity Account ID Setup
Git Large File Storage-GitLFS	Unity Hub Download Windows
GitHub Desktop Download	Unity GitIgnore Template
Git Documentation Link	Unity Asset Store

Content Creation Software

- Reality Scan Only for iOS but Android is coming – one of the best mobile 3D capture applications on the market and it's 'Free'
- Luma AI can upload videos to their site and get 3D surface models, use your mobile phone to capture items/objects, similar to reality scan but uses a slightly different approach to capturing your item
- Unity AR Companion App Unity provides an AR tool that lets you capture content – works on both Android and iOS devices.
- Meshroom little more advanced PC software that is open source and free – creates impressive point cloud data files from multiple sensors/devices and reconstructs a surface mesh. Don't need a high end GPU – but you're going to want to use one. Supported on Windows/Linux

Game Design Class PlayLists

- Student Fall 2022 Music PlayList
- Student Spring 2023 Music PlayList