MATTHEW FISHER

XR & ML ENGINEER

5 year self-taught software developer working remotely in the USA interested in the intersection of XR and machine learning for AR scene contextualization & 3D content creation w/ GAN's

CONTACT

Remote Developer in USA
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@MathYouF

EDUCATION

Self-Taught Software Developer

WORK, PROJECTS, HACKATHONS, COURSES
-NATIVE AND WEB AR/VR DEVELOPMENT
-MACHINE LEARNING/COMPUTER VISION

University of Cincinnati - Dropped Out

INTERNATIONAL BUSINESS & LOGISTICS
COMPUTER SCIENCE

SKILLS

Machine Learning

- TENSORFLOW
- KERAS
- PANDAS
- NUMPY
- JUPYTER
- CLOUD GPU
- PYTHON

AR/VR

- UNREAL ENGINE
- UNITY
- A-FRAME
- OCULUS
- MAGIC LEAP
- C++, C#
- JAVASCRIPT

PLATFORMS

SPECIALIZATIONS

- Computer Vision & Generative Adversarial Networks (for images)
- XR Development for AR/VR Headsets (Oculus, Magic Leap, ect.)
- Brain Computer Interface/EEG data classification for ML
- Web Development: A-frame, React.js, Node.js, & MongoDB

WORK EXPERIENCE

XR Engineer

SINGULARITY UNIVERSITY - SAN FRANSISCO BAY, CA
FEB 2019 TO PRESENT

- Developing a Neuro-adaptive VR training sim. that uses machine learning to adjust difficulty based on bio-metric data (EEG, HR, Eye Tracking) collected in real time
- Created a Style Transfer GAN for our company marketing

Co-founder and Chief WebVR Developer

COMPONENT ENTITY - CINCINNATI, OH
JUNE 2017 TO JAN 2019"

- eConcierge-AWS Face Recog. + OpenCV WebApp
- RADOTR - 360 Retail Shopping Photo Tour
- Color Picker- IoT LED WebAR color picker w anim.
- RizLaVie- Spotify Playlist Artist Music Experience

HACKATHONS

https://devpost.com/mathyouf

M.I.T. Reality virtually

HeARt - HEALTHCARE TRACK FOR MAGICLEAP
January 2019

- Utilized a NN for recognizing heart rate with Python/Keras
- Allowed doctors to record notes with Magic Leap hand gestures

HACKCINCY

LOST IN SPACE & Scurry.Tech
August 2017 & November 2018

- Second Place Overall in 2018 and 1st place for IoT in 2017
- Both were WebVR/AR applications using Socket.io