

TRENT RIEK

Unreal Developer & Game Programmer

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SUMMARY

Howdy! I am an Unreal Engine Developer. I have a background in Visualization from Texas A&M with minors in Computer Science and Game Design. I enjoy all the nuances of the Unreal Game Engine, and am excited to work with you!

WORK EXPERIENCE

Junior Unreal Developer

Realworld One – 2022 – Present

- Developed VR applications for the Oculus in Unreal for pharmaceutical training.
- Implemented replicated components in Blueprints.

Immersive Design Intern

Raytheon Intelligence and Space – 2021

- Developed a Obj to USDZ format converter for use with AR on mobile devices.
- Utilized FARO Laser Scanning Software to scan multiple buildings. Registered and converted scans to point clouds/meshes.

Graduate Assistant

Texas A&M University – 2020-2022

- Multiple Roles:
- Developed an Oculus VR training program to prep nurses for Forensic Nursing.
- taught basics and wrote lessons for Houdini, Maya & Unreal to participating TAMU students for use in research project.
- Led labs teaching students the Python scripting within Maya software.

Software Developer Intern

Spectrum – 2020

- Learned the principles of containerization, practiced building containers and clusters.
- Exposure to Docker, Golang, Kubernetes, and Cluster tools (Kops, Helm, etc).

Software Development Co-Op

ANSYS – 2019

- Worked on the ACT API development team for the ANSYS Mechanical Workbench product. Fixed defects with API methods and object calls. Created documentation for workspace setup and debugging.
- Started work on implementing new recording feature within the API. Feature both recorded UI calls as API commands for user as well as replaced Jscript code.
- Ran regression tests on both Windows and Linux.

SKILLS

- Unreal
- Maya
- Git & Perforce
- JIRA & Confluence
- Blender
- Unity

Languages:

- C++
- Python
- C#

EDUCATION

MS Visualization

Texas A&M University
2020-2022

BS Visualization

Texas A&M University
2016-2020

Minors

Computer Science
Game Design & Development

VOLUNTEER WORK

Texas A&M Habitat for
Humanity, 2018 – 2022

450+ hours volunteering for
the Williamson and Brazos
county Affiliates

Leadership Positions:

- Co-President
- Director of Fundraising
- Volunteer Coordinator
- Director of Advocacy