Posted: April 14, 2025

NEW MEXICO TECH
SCIENCE • ENGINEERING • RESEARCH UNIVERSITY

POSITION ANNOUNCEMENT

TITLE: VIRTUAL REALITY ENGINEER **DEPT:** EMRTC

REG ☑ **TEMP** ☐ **FULL TIME** ☑ **PART TIME** ☐

STARTING RATE or SALARY RANGE $ 55,000 - $60,000
Employees being promoted to a higher classified position receive the minimum for the position or a pay rate adjustment of 8% whichever is greater.
All regular positions also entitle the employee to several benefits including health, dental, vision, life insurance, and retirement which is largely paid by New Mexico Tech for the employee and dependents.

INTERNAL POSTING THROUGH: 04/25/2025 CONSIDERATION WILL BE GIVEN FIRST TO TEMPORARY AND REGULAR TECH EMPLOYEES WHO APPLY WITHIN THE 7 DAY INTERNAL POSTING. APPLICATIONS RECEIVED AFTER THE 7 DAY POSTING MARGIN WILL BE CONSIDERED WITH OTHER OUTSIDE APPLICANTS.

JOB SUMMARY:

The role of a Virtual Reality (VR) Engineer revolves around creating immersive experiences or simulations within a VR environment. This entails handling the technical aspects, including software and hardware development, to ensure smooth functionality. The VR Engineer is primarily focused on ensuring all components of a VR system work seamlessly together and establishes procedures in line with organizational goals. The position is fully funded under the First Responder Training Program. Responsibilities of the VR Engineer include developing custom software and drivers, devising efficient algorithms, and optimizing performance for various hardware types. Collaboration with curriculum designers is frequent, and the position entails regular updates to scenarios and equipment. While experience with VR technology is beneficial, expertise in hardware and software development and implementation is essential, along with a background in 3D modeling. The VR Engineer's duties also encompass creating and maintaining VR applications, as well as crafting tools or software libraries to aid other developers in creating VR applications. The typical work environment is an office setting with access to high-end hardware computers. Collaboration with colleagues and stakeholders is vital during project development. Therefore, the VR Engineer must foster a work environment that promotes teamwork, energy, and creativity. Strong leadership, problem-solving, and communication skills are crucial, along with the ability to make quick decisions under pressure. Key qualifications for the role include a solid professional background in high-end software and hardware systems, excellent written and verbal communication skills, adherence to project deadlines, and experience collaborating across different departments.

JOB FUNCTIONS:

Evaluating Information to Determine Compliance with Standards -- Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.
Guiding, Directing, and Motivating Subordinates -- Providing guidance and direction to subordinates, including setting performance standards and monitoring performance.
Analyzing Data or Information -- Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts.
Processing Information -- Compiling, coding, categorizing, calculating, tabulating, auditing, or verifying information or data.

Communicating with Persons Outside the Organization -- Communicating with people outside the organization, representing the organization to customers, the public, government, and other external sources. This information can be exchanged in person, in writing, or by telephone or e-mail. Presentations and orientation briefings to large groups to support training and other programs.
Interacting with Computers -- Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information. Working in an experimental, training and field exercise environment which requires adherence to safety regulations.

REQUIRED QUALIFICATIONS:

Bachelor's Degree in Engineering or demonstrated, directly related, equivalent experience and education may be considered in lieu of the degree, subject to approval. 4 years of relatable experience. Willing to learn safety issues concerning high risks environments.

DESIRED QUALIFICATIONS:

Strong Oral and Written Communication Skills. UAS pilot license. Knowledge of curriculum and program development. Master's engineering. Knowledge of 3D modelling-printing.

LIFTING REQUIREMENTS:

(f)requently, (o)ccasionally, or (s)eldom

0 - 15 pounds	F
15 - 30 pounds	O
30 - 50 pounds	S
50 - 100 pounds	S
100 + pounds	S

PHYSICAL DEMANDS:

Standing 20%	Sitting 25%	Walking 20%	Pulling 5%
Pushing 5%	Lifting 5%	Stooping 5%	Kneeling 5%
Crawling	Climbing 5%	Reaching 5%	Other

Apply to: nmtjobapps@npe.nmt.edu