

POSITION OVERVIEW

Job Title: 3D Lab Technician
Business Title: 3D Lab Technician
Job Code: 3DLTCH
FLSA Status: Non-Exempt
Department: OIC
Reports to: XXXXX
Location: OIC
Draft Date: 08/19/25
Revision Date: XXXXX
Approved By: XXXXX
Role: Individual Contributor

POSITION SUMMARY

Manipulation of CT and MRI medical images using highly sophisticated 3D software and specialized equipment in multiple planes and dimensions for clinical visualization and quantitative analysis.

POSITION DUTIES AND RESPONSIBILITIES

- Manage data image transfer process to post-processing equipment in an accurate and timely manner.
- Perform 3D post processing of clinical images.
- Utilize pre-defined protocols along with knowledge, skills, and experience to produce the optimal 3D visualization.
- Prompt attendance to scheduled shift and responsiveness to case management deadlines.
- Collaborate with other professionals including technologists, doctors, surgeons, and other clinicians to provide accurate views depicting certain anatomy and/or pathology.
- Accurate recordkeeping with logs, reports, and billing processes.
- Performs other related duties incidental to the work described herein.

KNOWLEDGE, SKILLS, AND ABILITIES

- Experience with highly detailed information.
- Accurate and timely operation of computer software.
- Ability to view images on a screen and create cross-sections and other perspectives for analysis and diagnosis.
- Knowledge in cross-sectional anatomy and gross pathology.
- Ability to operate medical image post-processing software, Microsoft Office software, HR software, wikis, and other online resources to perform job functions.
- Ability to memorize protocols and computer commands.
- Ability to work independently on cases.
- Excellent interpersonal and communication skills. Demonstrated professional demeanor speaking with colleagues, doctors, surgeons, clinicians, and other professionals in sometimes tense situations.
- Professional review of colleague's work, providing guidance, sharing new ideas and information in a professional manner.



- This position may evolve to include opportunities for working non-traditional hours including evenings, nights, weekends and occasional holidays as well as possible “on call” responsibilities to ensure continuation of operations.
- Successful incumbent possesses high energy, drive and positive attitude; is committed to customer service and teamwork; has the ability to multi-task; and is focused on achieving results. Will be effective in working closely with radiologists.

REQUIRED QUALIFICATIONS

- Education - Associates in Health Science in Radiologic Technology is suggested or bachelor’s degree in a health science or related field of study is a plus.

PREFERRED PROFESSIONAL SKILLS AND EXPERIENCE

- Knowledge of cross-sectional anatomy, physiology, medical terminology, and radiologic terminology.
- R.T. (RT)(ARRT) is suggested but not required if applicants have a similar knowledge base. CT and or MR licenses are not required but optional for additional per-diem opportunities.
- Experience in 3D and multi-planar reformatting.
- Experience with CT and/or MRI image analysis is suggested.
- Software experience with Tera Recon, Vital Images, Cvi42, and/or other 3D software is highly preferred.

Physical Activities

Ascending or descending ladders, stairs, scaffolding, ramps, poles and the like.

Never Occasionally Constantly

Moving self in different positions to accomplish tasks in various environments including tight and confined spaces.

Never Occasionally Constantly

Remaining in a stationary position, often standing or sitting for prolonged periods.

Never Occasionally Constantly

Moving about to accomplish tasks or moving from one worksite to another.

Never Occasionally Constantly

Adjusting or moving objects up to 15 pounds in all directions.

Never Occasionally Constantly

Communicating with others to exchange information.

Never Occasionally Constantly

Repeating motions that may include the wrists, hands and/or fingers.

Never Occasionally Constantly

Operating machinery and/or power tools.

Never Occasionally Constantly

Operating motor vehicles or heavy equipment.

Never Occasionally Constantly

Assessing the accuracy, neatness and thoroughness of the work assigned.

Never Occasionally Constantly

Environmental Conditions

Low temperatures.

Never Occasionally Constantly

High temperatures.

Never Occasionally Constantly



Outdoor elements such as precipitation and wind.

Never Occasionally Constantly

Noisy environments.

Never Occasionally Constantly

Hazardous conditions.

Never Occasionally Constantly

Poor ventilation.

Never Occasionally Constantly

Small and/or enclosed spaces.

Never Occasionally Constantly

No adverse environmental conditions expected.

Never Occasionally Constantly

Physical Demands

Sedentary work that primarily involves sitting/standing.

Never Occasionally Constantly

Light work that includes moving objects up to 20 pounds.

Never Occasionally Constantly

Medium work that includes moving objects up to 50 pounds.

Never Occasionally Constantly

Heavy work that includes moving objects up to 100 pounds or more.

Never Occasionally Constantly

I have reviewed this job description and I understand all my job duties and responsibilities. I am able to perform the essential functions as outlined. If I have any questions about job duties not specified on this description that I am asked to perform, I should discuss them with my manager or a member of the Human Resources team.

I acknowledge that the job has been explained to me both verbally and in written format.

Support Teammate’s Signature

Date