LEAD VIDEO ENGINEER (multiple positions)

Status: Independent Contractor, Seasonal
FLSA Classification: Non-exempt
Compensation Type: Contracted Day Rate
Benefits Eligible: No
Reports to: Video Operations Manager (Contract)
Location: Onboard E/V *Nautilus*, worldwide

BACKGROUND

The Ocean Exploration Trust (OET) is a 501(c)(3) nonprofit organization—founded in 2007 by Dr. Robert Ballard—with the aim of exploring the ocean and seeking new discoveries while pushing the boundaries of technological innovation, education, and outreach. OET owns and operates E/V *Nautilus*, a 224-foot exploration vessel equipped with acoustic mapping systems, remotely operated vehicles (ROVs), and other state-of-the-art exploration technologies. Expeditions aboard E/V *Nautilus* are conducted in partnership with the organization's primary sponsors, NOAA Ocean Exploration, as well as in close collaboration with the ocean exploration community. Through telepresence, E/V *Nautilus* expeditions are streamed live, providing scientists and the public with real-time access to exploratory research and the excitement of discovery. Data and samples from expeditions are made publicly available to provide a foundational resource that stimulates further research, exploration, and management activities.

POSITION OVERVIEW

Lead Video Engineers are typically on board for four to eight weeks at a time. They lead a team of three total onboard engineers and report to the shoreside Video Operations Manager. Applicants must have proper authorization to work in the US, a current passport, and no travel restrictions.

The Lead Video Engineer's responsibility is to ensure the proper operation of a complex video system that delivers content throughout the vessel while generating critical deliverables, including multiple satellite streams and recordings of numerous channels of video and audio. They must perform the following duties in close collaboration with the rest of the science and operations team:

PRIMARY RESPONSIBILITIES

- Operation, maintenance, and troubleshooting of the entire system and its components, including Ross Video Router, Cinedeck Video Recorders, RTS Odin Broadcast Intercoms, radios and radio interfaces, cameras, monitors, fiber optics, complete signal path, audio processing, and related equipment
- Use core troubleshooting techniques to identify, isolat,e and resolve equipment issues.
- During ROV operations, you will be required to stand a minimum of two four-hour shifts per calendar day or a single 12-hour watch (dependent on mission needs).
- During ROV Dives and Mapping Operations, you will complete mandated operational checklists to verify that systems are in the correct state. You will be responsible for system operation during your assigned watches and will log and report all system discrepancies.
- Operate ROV Cameras during dives in coordination with the ROV Pilots and others.
- Participate in mission discussions via broadcast intercoms that are always recorded and transmitted to shore and the general public.

- May occasionally be required to assist other Video Engineers or Video Interns for short periods outside of your assigned watch to address issues that compromise the ability of the video system to perform its operational functions
- Assist shipmates in learning how to operate various components of the system as required for them to perform their jobs.
- Ensure the Video Interns meet their educational objectives and provide mentoring and guidance to maximize their internship experience.
- Serve as a point of contact for shipmates who have technology requirements related to their work.
- Utilize critical thinking, problem-solving, analytical, and observational skills to support real-world applications of video engineering.
- Responsible for the assignment of watches, the onboarding and orientation of other engineers and interns, and acting as the shipboard department head in meetings and other interactions with other departments and the Expedition Leader.
- Responsible for the overall system health and clearly communicating with other departments and our partners about the video system and operations.

MUST BE ABLE TO

- Obtain a U.S. passport or appropriate visa.
- Deploy at sea for up to 30-60 contiguous days.
- Be physically and mentally capable of meeting the demands of living and operating aboard a working exploration vessel, and must be able to live in close quarters with other expedition team members (including a shared stateroom).
- Maintain a pleasant and professional demeanor under challenging conditions, both when interacting with fellow expedition team members and when interacting with the public online.
- Contribute to an inclusive work environment in which all individuals are treated with respect and dignity.
- Support OET's mission of training the next generation of STEM professionals by helping to support junior personnel participating in the expedition by engaging with them and helping to provide a positive learning experience at sea.
- To the level that is relevant to this position, contribute to OET's mission to inspire and engage youth and the public by participating in outreach and/or port tours during the expedition.
- Understand a sophisticated system at a high level to quickly resolve issues and craft solutions.

SKILLS REQUIRED

- Operating and programming various video routers, switchers, intercoms, recorders, and ancillary equipment
- Training other engineers and technology novices to operate video router control panels, intercom keypanels, KVM Switches, and other equipment
- Mentoring and training video engineering interns
- Expert-level troubleshooting
- System documentation
- Mac and PC high-level functional skills
- Strong team player with a proactive, service-oriented attitude
- Ability to work collaboratively with an international, multidisciplinary, diverse team of engineers, scientists, educators, and students
- Possess strong creative, analytical, and problem-solving skills
- Excellent multi-tasking and time management skills

- Excellent management and interpersonal skills
- Excellent verbal and written communications
- Excellent analytical and organizational skills

PREFERRED QUALIFICATIONS & EXPERIENCE

- Remote Truck or mobile production experience
- Known resistance to motion sickness

PHYSICAL DEMANDS

This is largely a sedentary role; however, at-sea activity to assist with troubleshooting and documentation, and to carry up to 50 lbs, is required.

POSITION TYPE/EXPECTED HOURS OF WORK

This is a contract position with an estimated at-sea duration of 4 weeks to 8 weeks at a time. A typical day may include 2x4-hour video engineer watches or a single 12-hour watch during remotely operated vehicle dives.

COMPENSATION

Day rate will be competitive with standard research vessel rates and commensurate with experience. OET will cover all costs associated with travel, room, and board.

ELIGIBILITY & WORK AUTHORIZATION

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification document form upon hire.

EQUAL EMPLOYMENT OPPORTUNITY

Ocean Exploration Trust is an Equal Employment Opportunity/Affirmative Action employer. It is our policy to prohibit discrimination and harassment of any type. We provide equal employment opportunities to all persons without regard to race, color, religion, sex, national origin, age, genetic information, disability, veteran status, political beliefs, sexual orientation, and marital and family status. Ocean Exploration Trust is committed to creating an inclusive work environment and organizational culture.

TO APPLY

Deadline: Open until filled on a rolling basis
Application: To apply, please submit your CV to the form linked below.

Upload your application at: https://bit.ly/3ZoUWt3
Please contact us at careers@oet.org if you have any questions or issues with your application submission.

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