

Andrew L. Moore

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A licensed marine engineer with 7+ years experience in operations, design, and management. Capable of working independent, training peers and students, and a commitment to providing high quality service to every project. Has worked with many aspects of the maritime industry in education and training and made many friends and contacts with the 7 maritime academies and other training institutes. Does well in challenging environments with limited resources.

Education

B.S. in Marine Engineering Technology

Texas A&M University at Galveston

Texas Maritime Academy

Senior Design Project: "External Compressor Theory for Marine Gas Turbines"

M.S. in Systems Engineering and Management Texas Tech University

Licensing & Certificates

- U.S. Coast Guard First Assistant Engineer in Unlimited Horsepower of Motor Vessels
- Fast Rescue Craft
- ESCO Institute EPA certified Universal Freon technician Train the Trainer

Sea Time

USTV General Rudder, Texas Maritime Academy, Galveston TX, May 2013-Current

- Third Assistant Engineer (4 years) and Second Assistant Engineer (To date)
- Operation of General Electric Diesel Electric Propulsion, 1800 hp, twin shaft
- Maintained and operated the four 600 volt CAT diesel electric generators
- Observed, conducted, and recorded regular four hour watch-standing
- Maintained vessel maintenance and acquisitions software; Nautical Systems (NS5) Shipboard Management Program
- Oversaw, updated, ABS and USCG Vessel Compliance in Engineering.
- Maintained vessel IT, network, and satellite communications
- Observed and conducted shipyard repairs

USTV Golden Bear, Texas Maritime Academy/California Maritime Academy, Vallejo CA, May 2019

- Second Assistant Engineer
- Assist in the watch and operation 17,000 HP R5-V16 Enterprise Diesel.
- Maintained vessel maintenance and acquisitions software; Nautical Systems (NS5) Shipboard Management Program
- Oversaw, updated, ABS and USCG Vessel Compliance in Engineering.
- Maintained vessel IT, network, and satellite communications

USTV Kennedy, Texas Maritime Academy/Massachusetts Maritime Academy, Buzzards Bay MA, May 2018-July 2018

- Qualified Member of the engineering department and instructor for basic operations

- Assist in the watch and operation of 15,500 hp, 600 psig Steam Plant and accommodation auxiliaries.
- Maintained vessel IT, network, and satellite communications

Maersk Carolina, Maersk Line Limited, Houston TX, August 2014

- Third Assistant Engineer on G-Class Container Ship

Maritime Projects

TS General Rudder Propulsion Upgrade

- Developed the specification, scope of work, and bid with the Department of Maritime Administration for the propulsion upgrade of the TS General Rudder.
- Verified USCG and American Bureau of Shipping (ABS) compliances.
- Developed the new graphic user interface for the engine alarm system (2019).

Museum Ships

- Tall Ship Elissa (Tallship 1877), Chief Engineer, 12 V92 450 HP Detroit Diesel, Galveston Historical Society, Galveston TX. Chief Engineer, 12 V92 450 HP Detroit Diesel, Galveston Historical Society, Galveston TX.
- SS John W. Brown (Liberty Class Ship 1942), QMED, 2500 HP Triple Expansion Steam Engineer, Project Liberty Ship, Baltimore MD., Baltimore MD.
- USS Stewart (Edsall Class Destroyer Escort 1942), Restoration, 4x Fairbanks Morse Diesel Engine, Seawolf Park Surface Warfare Museum, Galveston TX.

National Security Multi-Mission Vessel (NSMV)

Maritime Academy Council (MAC) advisor for classroom and machinery space design of the department of Maritime Administration's (MARAD) proposed multipurpose training vessels (2014-2018).

Experience, professorial

Instructor of the Practice, Texas A&M, Galveston TX, August 2014-April 2018

- Lecturer of Manufacturing Methods
- Lecturer of Engine Room Resource Management
- Lecturer of Leadership and Teamwork Skills
- Lecturer of Basic, Intermediate, and Advanced Engineering Operations
- Point of contact with the United States Coast Guard National Maritime Center
- Engineering Representative on the Maritime Academy Counsel
- Course and Lecture development for USCG approved courses
- Oversee of program approval and maintenance
- Coordinate internal and external audits of national and international USCG endorsements
- Oversaw the USCG audit of the engineering program by the National Maritime Center as an advocate for the department of marine engineering.

- Rewrote the STCW, International Compliance, and national endorsement compliance of Texas A&M University at Galveston for the International Maritime Organization's (IMO) 2010 Manila Amendments (2014-2016).
- Oversaw engineering cadet commercial shipping and internship assignments and projects (2014-2017).

Academic, Projects

Gas Turbine Course Approval (2014)

- Developed the MARE 315 gas turbine course curriculum
- Received course approval from the Texas A&M University Curriculum Committee
- Received course approval from the National Maritime Center (NMC) for the Gas Turbine Endorsement on graduating cadets' licenses for the class

Engine Room Simulation Upgrade (2014)

- Kongsberg LM2500, SP Dual Fuel, Medium Speed, and Gas Turbine simulation lab installation.
- Developed, the specification, scope of work, and bid package for the university engine room simulation upgrade.
- Designed the simulator layout.
- Programmed the first acceptance programs for the simulator lab.
- Developed and published manuals and course curriculum for the simulation lab.

Proficiencies

Parametric Design Programs: Creo Parametric, AutoDesk, Solid Works • Herbert Marine Software: HECSALV, CargoMax, etc. • Microsoft Office Professional + Microsoft Mathematics, Microsoft Access, & Microsoft Project • IT, Network & Satellite Communications • Safety Auditing • Methods Modeling • Linear Regression Analysis • Six Sigma • Project Management • Risk Analysis • Internal & External Audit Coordination