

Christopher C. Pillow

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EDUCATION

Virginia Polytechnic Institute and State University (expected graduation May 2015)

- BS in Mechanical Engineering

Piedmont Virginia Community College (2010 – 2012)

- General engineering, math, science, and humanities

LEADERSHIP

Virginia Polytechnic Institute and State University (2014-2015)

- Baja SAE Team Captain
 - Guide a team of 20 through design, fabrication, and construction of a single seat off road vehicle
 - Race against other engineering schools in an SAE sanctioned event

USS Hartford SSN-768 Nuclear Attack Submarine (2006-2010)

- Dive Division Leading Petty Officer
 - Scheduled and performed corrective and preventive maintenance on all ship's diving equipment
 - Trained junior personnel on proper maintenance practices and equipment use
 - Led dive division to be the only division evaluated to be at 100% deployable readiness
- Ship's Diving Supervisor
 - Logged more than 100 supervised dives, ensuring safety of divers in the water and completion of mission
 - Ensured divers maintained proper records and trained junior personnel on the correct reporting procedures
- Quality Assurance Supervisor
 - Provided final inspection certification on critical repair components; failure of such components could result in the loss of the ship

PROFESSIONAL EXPERIENCE

USS Hartford SSN-768 Nuclear Attack Submarine (2006 – 2010)

- Qualified in Submarines
 - Excelled in a rapid paced study of submarine design, construction, operating procedures and casualty response such as flooding and firefighting
 - Demonstrated the ability to work with the crew members to combat any issues that arose
- Qualified Senior Watch Station – Engine Room Supervisor
- System Expert in the following ship systems:
 - S6G 165 MW nuclear reactor including primary and secondary nuclear support systems
 - S6G submarine steam plant and steam plant support systems
 - Evaporation and reverse osmosis freshwater production totaling in a 14,000 gallon per day capacity
 - Atmospheric controls and life support systems
 - Hydraulics

- Refrigeration and air conditioning
- High pressure air
- Submarine escape systems and procedures
- Trained and assisted junior personnel and officers for their qualifications in both reactor and ship systems
- Quality Assurance Inspector/Supervisor
 - In-depth experience with the SUBSAFE system NASA adopted after the Space Shuttle Columbia tragedy
 - Authored, executed, and supervised nearly 100 controlled work packages requiring the utmost accountability and superior craftsmanship utilizing technical manuals and system schematics
 - Performed more than 500 preventative and corrective maintenance actions, none of which required subsequent rework
 - Received numerous awards for expert craftsmanship, attention to detail, personal initiative, and devotion to duty

United States Navy (2004 – 2010)

- Entered into the Naval Nuclear Power Training pipeline and received 18 months of high tech and in-depth education in mechanical design, nuclear physics, radiological controls and effects, nuclear and steam plant chemistry, reactor controls, electrical theory, thermodynamics, fluid mechanics, and all aspects of steam power plant operations and machinery
 - Qualified Mechanical Operator on two unique nuclear power plants