Cleao Henderson

Philadelphia, PA - Email me on Indeed: indeed.com/r/Cleao-Henderson/8f12a64ad233d319

My work experience has dealt mostly with hydraulic and propulsion systems. I've had to use some of my physics and electrical background, though I've worked in a mechanical engineering branch.

I'm interested in trying various fields of engineering and using my knowledge to fulfill different job tasks.

I'm an innovative individual, an efficient learner and I adapt well in group settings. I learn best through hands-on-experience and I am determined in finding solutions.
Willing to relocate to: Tampa, FL - Orlando, FL - Clearwater, FL
Authorized to work in the US for any employer

WORK EXPERIENCE

Electrical Engineer

NAVSEA - Philadelphia, PA - 2012 to Present

Responsibilities
= Providing in-pier and underway technical support for both electrical and mechanical installation and testing of equipment
= Utilizing expertise on CPP systems to train sailors on CPP system maintenance procedures
= Professionally presenting technical information in writing (e.g., technical reports, messages, memos, letters, data summaries, sound and relevant recommendations)
= Developing and evaluating the adequacy of maintenance procedures and CPP technical

Accomplishments
Trained sailors on maintenance procedures for propulsion and hydraulic systems on various ship classes with
= Visited ships from the LPD-17 USS San Antonio ship class and LHA-6 USS America to oversee ship alterations and sea trials as the controllable pitch propeller (CPP) in-service engineering agent (ISEA)
= Developed testing & installation procedures for an electrical device selected to resolve un-commanded pitch issues within the LPD-17 USS San Antonio ship class
= Maintained a successful status in the scientist and engineer development program (SEDP), NSWCCD's professional development 3-year program, which consisted of quarterly assessment meetings, training plan write-ups, technical reports and evaluations of on-the-job experiences, required courses, mentee/mentor relationship, and career development assignments
= Conducted a variety of investigations and analyses requiring the transfer of propulsion controls due to the obsolescence condition of major system in the CPP system for the MCM-1 USS Avenger ship class; this investigation incorporated finding potential risks associated and understanding how the newly installed devices will impact technical documentation, the way-ahead procedures concerning the life cycle of class, and the cost
= Facilitated meeting for an extended project concerning a hydraulic oil hammering issue throughout major CPP piping go into and from the Hydraulic Oil Power Module (HOPM) and the Oil Distribution (OD) Box. branch/ department collaboration to resolve overarching issues impacting multiple ship classes
= Utilized the DoD computing system, maintenance engineering library server (MELS), to complete daily reviews of engineering performance data received from CPP ship sensors and submitted diagnostic troubleshooting instructions for sailors to perform and resolve issues manuals, which consist of in-depth detail about the function, purpose, and design of subsystems within the CPP system; the evaluations ensured Sailors

are able to maintain, replace/install, and operate the subsystems in accordance with current and active DoN requirements, standards, and specifications
= Inspecting newly installed or modified equipment, such as valves, piping, and some electrical components, e.g. an optical isolator, and analyzing systems for conformance to Naval performance requirements
= Resolving equipment failure or unsatisfactory performance problems where Sailors are unable to pinpoint the problem electrically or mechanically; for example, while underway, Sailors are newly learning the system, so in the case there pitch issues, electrically or mechanically, the CPP ISEA must quickly resolve the matter
= Evaluating manufacturers' data packages for devices or components to add or remove from an approved parts list
= Performing complete engineering analyses for electrical and mechanical parts requiring adaptation or extension of the agency standards for such devices to determine whether they are acceptable

Student Trainee

NAVSEA - Panama City, FL - June 2011 to August 2012

Responsibilities
= Full-time graduate level Department of the Navy Science, Technology, Engineering, and Mathematics (STEM) program
= Interned with the Quality Assurance and SUBSAFE Certification Branch (Code 962) at Naval Surface Warfare Center Carderock Division – Ship Systems Engineering Station in Philadelphia, PA
= Analyzed and improved various forms of auditing per Naval schematic and engineer specifications concerning different naval platforms

Research Assistant

ARL - HR&ED, Visual & Audio Branch - Aberdeen Proving Ground, MD - August 2009 to June 2011

Responsibilities
= Organized and conducted studies and research concerning techniques and tactics to counter the threat of IEDs
= Assisted in efforts concerning research to enhance current night vision technology

EDUCATION

MS in Electrical Engineering, Focus in Systems Engineering

Tuskegee University - Tuskegee, AL
2011 to 2012

BS in Engineering Physics

Morgan State University - Baltimore, MD
2005 to 2009

SKILLS

= Proficient in JAVA, MatLab, C++, Fortran, and Adobe Acrobat X Pro = Experience using the following DoD-Operated Computer Programs: MELS, naval ships engineering drawing repository (NSEDR), preventative maintenance systems (PMS) viewer, engineering operational sequencing system (EOSS) viewer, distance support technical feedback remedy system, and others = Experience with talent recruitment and retention = Skilled in technical writing, engineering laboratory management, and team leadership = Excellent communicator and detail-oriented

CERTIFICATIONS

DAWIA Level II certification
August 2014 to Present
SPRDE – Systems Engineer

Reliability-Centered Maintenance Level I certification
February 2013 to Present

GROUPS

National Society of Black Engineers
2008 to Present

Honor Society of Physics
2006 to 2010

Society of Women Engineers
2006 to 2009