RAYTHEON - SOFTWARE ENGINEER I (VIA WAYUP)

Posting ID: EM186211A4
Company: Raytheon
Position Type: Full-Time
College Major(s): Electrical/Computer Engineering (EE/CpE), Computer Science (CS)

Company Website: https://www.raytheon.com/
Work Location: Riverdale, MD
Salary: DOE
College Level(s): Undergraduate-Junior, Undergraduate-Senior, Alumni

OVERVIEW
Raytheon Company is a technology and innovation leader specializing in defense, civil government and cybersecurity solutions. Founded in 1922, Raytheon provides state-of-the-art electronics, mission systems integration, capabilities in C5I (command, control, communications, computing, cyber and intelligence), sensing, effects and mission support services.

Roles and Responsibilities
Raytheon is seeking Software Engineers to join the Joint Polar Satellite System (JPSS) program and expand our distinguished team to develop a state-of-the-art ground station for the next generation of low earth orbiting environmental satellites. The development of this national asset will provide global coverage, monitor environmental conditions, collect, disseminate and process data about the Earth's weather, atmosphere, oceans, land, and near-space environment.

The Command, Control, and Communications Segment (C3S) software provides a highly automated and integrated suite of nine subsystems at the new NOAA (National Oceanic and Atmospheric Administration) Satellite Operations Facility (NSOF), including Orbit Operations, Mission Management, Command and Control, and Enterprise Management.

The JPSS program is looking for a qualified software engineer to join the JPSS Software team as a C3S SW engineer for the C3S Integrated Product Team (IPT).

Typical responsibilities include supporting the design, coding, test, and integration of software. The qualified candidate will be involved with all phases of the software development life cycle including SW requirements analysis, use case support, SW architecture analysis, detailed design, software builds, generating test plans, ensuring code meets requirements through thorough unit testing, updating technical documents, software integration support, problem detection, and resolving discrepancy reports. The qualified candidate will also be responsible for supporting software validation and verification, qualification, configuration control and documentation at the component level.
Additionally, the qualified candidate will be responsible for quickly understanding assignments and carrying them out with moderate supervision. Verbal and written communication skills and problem solving skills will enable the qualified candidate to successfully support Peer Reviews at all phases of the development cycle to ensure successful integration with other software components.

**Education and Qualifications**

**Key responsibilities for the qualified candidate include:**

- Object-oriented Java or C++ programming
- Ability to design, develop, and maintain new software functionality
- Ability to work with previously written code and make modifications as necessary
- Ability to work closely with other disciplines (systems and test engineers) to troubleshoot and fix problems
- Enthusiastic and energetic performer able to work in a dynamic, fast paced, and sometimes pressured environment
- Team player incorporating a team based success philosophy
- Contribute to the completion of program and project milestones under the specific guidance of his/her immediate supervisor
- Ability to follow established SW processes and procedures, development, documentation and maintenance/management of operations concepts, requirements (system, element, segment level), external and internal interfaces, and other software engineering work products/artifacts

**Requirements:**

- A minimum of 1 year related Engineering experience
- Software and system-level debugging experience including the ability to identify problems in established code and make modifications as necessary
- Experience with software execution throughout the entire software life cycle (preliminary design through maintenance phases)
- Willingness and flexibility to grow and adapt skill set as new technologies emerge
- Ability to obtain a US Security Clearance

**Desired Skills:**

- Experience with code analysis tools such as JUnit, FindBugs and Klocwork
- Experience with XML
- Experience with Perl
- Experience with Python
- Experience with Java and/or C++
- Experience with UML design modeling in modeling tools such as Rational Rose or Rhapsody
- Experience and knowledge related to Satellite Ground Systems and Ground System Operations
- Experience and knowledge related to software discipline process development and deployment
- Experience with customer interaction and end-user engagement
- Experience integrating software (modules, components, subsystems)
- Experience preparing and presenting status information and technical material

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UNLV, Howard R. Hughes College of Engineering
Required Education (including Major):

- Bachelor of Science, BS in a Math, Science or Engineering related field. Two years of related work experience may be substituted for each year of degree-level education.

How to Apply