

Mixed-Signal Hardware Engineer Senior

Job Code: 6913

Salary Grade: S13

FLSA Status: Exempt

The following statements are designed to outline the general functions and typical responsibility levels associated with positions in this classification. They are not intended to serve as an exhaustive list of specific duties or requirements for individual positions assigned to this classification.

Duties and Responsibilities

Serves in a lead engineering role in the analysis, design, development, and testing of radar systems.

- Designs, enhances, or tests the accuracy of radar systems. Develops test plans/test cases/scenarios for radar system testing.
- Analyzes and assesses system performance.
- Designs software applications for radar/equipment monitoring and control.
- Participates in field experiments and data validation.
- Performs multi-platform software implementation.
- Derives requirements for radar systems, including system-level designs, costing, lead times, and implementation.
- Provides oversight and technical guidance to team members.
- Performs various duties as needed to successfully fulfill the functions of the position.

Minimum Qualifications

Education:

Required: Bachelor's degree in a related field.

Equivalency/Substitution: Will accept 48 months of experience in lieu of the Bachelor's degree for a total of 108 months of related experience.

Experience:

Required: 60 months of related experience with radar systems.

Certifications or Licenses:

- None

Verification of education and licensure (if applicable) will be required if selected for hire.

Knowledge, Skills, and Abilities

- Highly organized and able to handle multiple projects and deadlines
- Able to communicate well and build rapport quickly with students, faculty and staff
- Able to work well with interdepartmental teams and initiatives
- Willingness to work as an integral part of a high-energy team of engineers and scientists
- Strong desire to learn new technical skills

Working Conditions

Physical:

Ability to engage in repetitive motions.

Environmental:

Ability to work in varied settings and locations as determined by research goals. May be required to travel. Ability to work effectively with a wide range of constituencies.

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