ELECTRICAL/ELECTRONICS/COMPUTER ENGINEER, COMPUTER SCIENCE, MATH, and PHYSICS

US Citizenship Required

Location: Naval Surface Warfare Center, Dahlgren, VA


Job and Organizational Description: The Radar Systems Division of the Naval Surface Warfare Center, Dahlgren Division, is in need of entry-level civilian Engineers and Scientists. The Radar Systems Division is responsible for establishing requirements for radar systems; developing advanced technology prototypes for evaluation; leading the development of radar systems for the US Navy and US Marine Corps; conducting test and evaluation of radar systems; developing models and simulations to quantify radar performance, analyzing radar data to assess radar performance, developing the control and processing hardware and software systems for new radar systems; and providing support for fielded radar systems.

Candidates would be trained to perform in one or more of these major duties:
- Evaluate emerging technologies for integration into current and future radar systems
- Develop radar system and subsystem prototypes
- Plan and conduct test events for radars and evaluate their performance
- Install systems on ships, collect data, and assess system performance
- Develop models to assess performance of US Navy and US Marine Corps radar systems
- Compare model results to data collected from actual systems
- Analyze and assess radar performance
- Derive radar performance requirements
- Develop control and tracking algorithms
- Develop signal processing algorithms
- Develop, maintain, and sustain computing hardware and software, including tactical software and analysis tools

Tasks range from technology feasibility evaluations; prototype development and test; deployment of new radar systems and technologies; model currently fielded and future radar systems; and support of hardware and software for fielded radar systems in the US and abroad.

Candidates are sought that would have several of the following skills and abilities:
- Ability to work independently or in a team environment
- Ability to apply concepts of engineering and mathematics
- Ability to effectively communicate technical concepts verbally and in writing
- Ability to break problems down into basic parts
- Knowledge of signal processing
• Design, develop and analyze radio frequency (RF) analog hardware
• Design, develop, and analyze digital hardware
• Integrate hardware and software systems
• Utilize electronic laboratory equipment (e.g. oscilloscopes, signal or function generators, network analyzers, etc.)
• Develop software (e.g. C, C++, Java, MATLAB, Python, QT languages)
• Perform data analysis
• Develop mathematical algorithms
• Troubleshoot hardware and/or software
• Knowledge of design of experiments for test and evaluation

Candidates are typically hired from the following disciplines:
• Engineering (e.g. Electrical, Computer)
• Mathematics (applied)
• Physics
• Computer Science
• Other science or engineering degrees are considered and necessary

Contact information:
Use subject line: “recruiting for Radar Systems Division-your name” and email all of the following people:
  Michael Larme, michael.larme@navy.mil
  Robert Sexton, robert.d.sexton@navy.mil
  Jessica Robey, jessica.robey@navy.mil
In the email text, include a short description of what your background and interests are and attach your resume and a copy of your transcript(s).