



career opportunities

If you are creative, enthusiastic, and show aptitude in the creation of forward-thinking software applications and technologies, you will find SSC San Diego an ideal environment. Good oral and written communication skills and strong customer orientation are a must. Knowledge of military C4ISR systems and experience as a technical team member or team leader desired. Current security clearances desired. Salaries vary by position and entry skills. U.S. citizenship required.

Space and Naval Warfare Systems Center San Diego (SSC San Diego), the Navy's premier RDT&E laboratory for C4ISR (command, control, communications, computers, intelligence, surveillance, and reconnaissance) offers career opportunities for people with scientific or technical backgrounds and the expertise to create innovative and forward-thinking software applications and technologies.

At SSC San Diego, our scientists and engineers:

- Apply standard computer science knowledge and skills to challenging problems in a variety of areas including: design and implementation of object-oriented software using C++ or Java; systems engineering for integration of new technologies into existing operational systems; design of advanced network architectures and data links; distributed computing systems; incorporation of evolving web technology in command and control systems; many aspects of modeling and simulation technology; natural language processing and speech recognition technology; human-computer interface development.
- Interact and collaborate with nearby universities.
- Engage in personal and career development in a stable, high-technology environment, and benefit from continuously acquiring the skills and technologies that provide a window to the future.

C4ISR Core Function Technologies

- Tactical data links, command and control processing systems, real-time retargeting, over-the-horizon targeting systems
- Intelligence
- Signal, image, and/or information processing
- Digital and analog RF hardware
- Communications networks and network protocols
- Large-scale integration

(contd)

Visit our web site at <http://www.spawar.navy.mil/sandiego/>
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career opportunities at SSC San Diego

C4ISR Core Function Technologies (contd)

- Radio communications – satellite systems, radio and antenna design, spectrum analysis
- Communication systems management
- Artificial intelligence and natural language processing
- Information assurances – firewalls, embedded encryption, and multi-level security
- Web-enabled Navy
- Land, air, sea-based autonomous robotics
- Agent-based distributed applications for command and control
- Open-source development of dynamic web applications for research and rapid prototyping
- Surveillance sensor systems
- Ocean and littoral surveillance and reconnaissance



Other Engineering Functions

- Test and evaluation
- Systems and software engineering
- Navigation systems design and engineering
- Decision support systems and information display; hardware and software design
- Test, integration, and installation engineering aboard ships and aircraft and shore sites
- Modeling and simulation
- Life-cycle management and life-cycle logistics support
- Modeling and analysis of communications networks, acoustic and non-acoustic data, antenna designs, satellite and optoelectronic data



Software Skills Desired

- Object-oriented design and analysis, UML, CASE tools
- Development environments (IDE), Java, C++, Ada, relational database management systems (DBMS), object-oriented DBMS, SQL, GUI development
- Computer network design, user interface technology, software engineering
- Architecture definition and development of interactive web sites; INFOSEC software engineering, Microsoft and UNIX development



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