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Subject: Job Opportunity: COMPUTER SCIENTIST  
Posted by [haferman](#) on Thu, 26 Aug 1999 07:00:00 GMT  
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## Job Opportunity

DEPARTMENT OF THE NAVY  
HUMAN RESOURCES SERVICE CENTER, SOUTHWEST

COMPUTER SCIENTIST  
GS-1550-11/12

\$39,960 - \$62,260 Per Annum

Location: Fleet Numerical Meteorology & Announcement #: DEA-291-99  
Oceanography Center Models & Opening Date: 07/19/99  
Data Department, Observational Closing Date: 08/31/99  
Data Division  
Monterey, California

OPEN TO ALL QUALIFIED CANDIDATES. CIVIL SERVICE STATUS IS NOT REQUIRED.

TYPE OF EMPLOYMENT: Permanent.

DUTIES: Incumbent functions as a member of a Satellite Data Team and interfaces with other agencies and institutions to plan, implement, improve and maintain software for the operational acquisition, processing and display of satellite data. Determines specific applications (including imagery for quality control) of satellite data. Provides satellite data to assimilate in both meteorological and oceanographic models. As System Engineer for the Satellite Data Information and Processing Subsystems (SATIPS), responsible for the analysis of hardware architecture to receive and process environmental satellite data. As System Engineer for the SATIPS, determines and defines data processing requirements from acquisition to products generation. Designs software to efficiently perform the subsystems function. Evaluates future sophisticated and complex satellite processing hardware and software systems. Ensures adherence to programming and documentation standards. Coordinates and conducts implementation, upgrades, and maintenance of complex satellite data processing, including SATIPS applications software. Performs the SATIPS Software Configuration Manager (SCM) functions to ensure SATIPS software integrity. As SCM, coordinates and maintains software configuration identification, Source Level Maintenance including version control, and software and documentation libraries. Interacts with the other satellite data processing institutions, (AFWA, NAVOCEANO and NOAA/NESDIS) in order to stay abreast of the of the latest advances

regarding satellite data processing and applications software. This includes drafting requests for proposal, accepting contract-developed software, and implementing that software on the FLENUMMETOCCEN system. Performs SATIPS operational systems integration. Ensures that the integrated SATIPS system operates seamlessly and synergistically with FLENUMMETOCCEN operations.

**IMPLEMENTATION OF CUT-OFF & CLOSING DATES:** Applications will be accepted for this position received by the closing date of 31 August 1999. Applications received under this announcement may be used to fill other vacancies occurring within 90 days following the closing date of this announcement.

**SUITABILITY, CLEARANCE & REQUIREMENTS:** Applicant(s) will be required to complete Declaration for Federal Employment (OF-306) prior to offer of employment. A secret security clearance will be required. Scheduled travel will be required. Incumbent will be required to respond occasionally to after-hours telephone calls for assistance from the FLENUMMETOCCEN Computer Operations Center.

**QUALIFICATION REQUIREMENTS:** U.S. Citizenship required.

**BASIC REQUIREMENTS:** A degree (preferably in computer science). To be acceptable, the curriculum must:

Have 30 semester hours in a combination of mathematics, statistics and computer science. At least 15 of the 30 semester hours must have been in any combination of statistics and mathematics that included differential and integral calculus. Applicants should have sufficient knowledge of statistics and mathematics, as well as other subjects, to understand the fundamental concepts and techniques of computer science.

**ADDITIONAL REQUIREMENTS:**

One year of specialized experience equivalent to the next lower grade is required. Specialized experience is experience that demonstrated accomplishment of computer project assignments that required a wide range of knowledge of computer requirements and techniques pertinent to the position to be filled

Education completed in foreign college or universities may be used to meet the above requirements if you can show that the foreign education is comparable to that received in an accredited educational institution in the United States. It is your responsibility to provide such evidence when applying.

Credit will be given for appropriate unpaid experience or volunteer

work such as in community, cultural, social services, and professional association activities, on the same basis as for paid experience, provided it is directly related to the job for which you are applying. Therefore, you may report such experience in one or more of the experience blocks at the end of your employment history if you feel that it represents qualifying experience for the position. To receive proper credit, you must show the actual time (such as the number of hours per week) spent in such activities.

**RANKING FACTORS:** In addition to the basic qualification requirements, eligible applicants will be further evaluated against the following ranking factors to determine highly qualified candidates.

1. Ability to analyze, diagnose, and resolve complex problems involving the interaction of application programs and system software. Ability to understand computer hardware characteristics and optimize the applications software design accordingly.
2. Extensive knowledge and expertise in modern software engineering principles and practices. High level of programming proficiency in FORTRAN 90, C, OR C++. Knowledge of applications programming techniques and procedures, automated system interactions, and real-time data requirements.
3. Extensive knowledge and expertise in environmental satellite data acquisition and processing in real-time operations. Experience in using graphics software to display satellite images and other graphics information for users and for quality control of products.
4. High level of proficiency with Unix operating systems, including in-depth experience with Unix internals and interfaces. Experience in the requirements, analysis, design and development of software under UNIX open system environment, writing UNIX scripts, and the use of a local area network.
5. Ability to communicate effectively in the English language both orally and in writing. Ability to work independently and, as a team member and leader, to interact effectively with a variety of technical, managerial, and administrative personnel. Experience as a team leader of a software work group.

**BASIS OF RATING:** Applicants will be rated on a scale of 70-100 based on the quality and extent to which their education and experience show possession of the qualifications required, as reflected in the statements of their applications and/or any additional information provided.

**HOW APPLICANTS ARE EVALUATED:** All applicants for this position will be

rated and ranked based upon the extent and quality of their experience, training and/or education as reflected on the application. A list of eligible applicants will be developed in appropriate ranking and veterans preference order. Qualifications and veterans preference eligibility will be determined on the basis of information submitted. Missing information/forms will not be solicited. Failure to provide a complete application may result in lost consideration. In the event this position is filled from another source or otherwise canceled, candidates will be notified.

HOW TO APPLY: Please submit the following information:

- a. Resume or any other written application format which, in addition to specific information requested in this job announcement, must include the following information as described in the flyer "Applying for a Federal Job" (OF-510): (1) Announcement number; (2) full name; (3) mailing address (with zip code); (4) social security number; (5) country of citizenship; (6) veterans preference; (7) education level; (8) related work experience (job title, duties, employer's name and address, supervisor's name and phone number, starting and ending dates, hours per week, and salary); (9) if we may contact your current supervisor; (10) and any other pertinent qualifications or related training courses, skills, certificates and licenses or awards.
- b. College transcripts.
- c. If claiming 10-point veterans preference, one copy of Standard Form 15, Claim for Veterans Preference, with required proof.
- d. Photocopy of DD-214 if claiming veterans preference. (Do not submit your original. Once submitted, originals cannot be returned or copied.)

Federal Employment Information may be obtained at the:

- a. Federal Job Opportunities Board (FJOB) at (912) 757-3100.
- b. Career America Connection (CAC) by calling (912) 757-3000 or for TDD Service call (912) 744-2299
- c. Internet via Telnet at: [fjob.opm.gov](http://fjob.opm.gov) or File Transfer Protocol at: [ftp.fjob.opm.gov](ftp://fjob.opm.gov) or USA JOBS on the World Wide Web: [www.usajobs.opm.gov](http://www.usajobs.opm.gov).

To obtain application and employment related information via fax, call FedFax: San Francisco, CA (415) 744-7002; Washington, DC (202) 606-2600; Atlanta, GA (404) 331-5267; Denver, CO (303) 969-7764; Detroit, MI (313) 226-2593.

NOTE: Although the Federal Government does not require a standard application form on most jobs, we do need certain information to evaluate your qualifications and determine if you meet legal requirements for Federal employment. If your chosen application format does not provide all the information requested in this job vacancy announcement and flyer OF-510 your application will be considered incomplete. The OF-510 is available by calling FedFax at any of the numbers listed above.

Complete the required forms indicating Computer Scientist, GS-1550-11/12, Announcement No. DEA-291-99 on each page of the application. Please remember that it is to your benefit to provide accurate and detailed information concerning your qualifying experience. DO NOT send copies of awards, citations, letters of recommendation, personal evaluations, samples of projects or study papers, or official job descriptions.

All applications under this announcement should be mailed to the following address:

HUMAN RESOURCES SERVICE CENTER, SOUTHWEST  
ATTN: CODE 522 (DEA-291-99)  
525 B STREET SUITE 600  
SAN DIEGO CA 92101-4418

Please address the envelope exactly as shown above, using capital letters, and be sure to include the HRSC Southwest code number, suite number, and zip code plus four digits when addressing the envelope to ensure timely receipt of your application.

Use of government paid postage is not permitted for the submission of applications or related correspondence.

**SPECIAL INFORMATION:** Full consideration will be given to qualified applicants without regard to race, religion, color, national origin, marital status, sex, age, lawful political affiliation or physical handicap.

Individuals who have special priority selection rights under the Interagency Career Transition Assistance Program (ICTAP) must be well qualified for the position to receive consideration for special priority selection. ICTAP eligibles will be considered well qualified if they attain civil service eligibility rating/score of 85 or higher (not including veterans preference points).

Federal employees seeking ICTAP eligibility must submit proof that they meet the requirements of 5 CFR 330.704. This includes a copy of the agency notice, a copy of their most recent Performance Rating and a

copy of their most recent SF-50 noting current position, grade level, and duty location. Please annotate your application to reflect that you are applying as an ICTAP eligible.

Further information may be obtained on the Internet via Telnet at: fjob.opm.gov or File Transfer Protocol at: ftp.fjob.opm.gov or USA JOBS on the World Wide Web: www.usajobs.opm.gov.

If you are a disabled veteran; Purple Heart recipient; recently (120 days or less) discharged veteran; mother of a veteran who died in action or is totally disabled; unremarried widow/widower of a veteran; spouse of a totally disabled veteran with a service-connected disability; or recently (120 days or less) returned from overseas Federal civilian employment, filing deadlines may not apply to you.

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OUR EMPLOYEES AND THE PUBLIC, THE DEPARTMENT OF THE NAVY IS A DRUG-FREE  
WORKPLACE.  
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