1140732 - Software Engineer - Entry to Experienced Level (Multiple Locations - Georgia, Hawaii, Texas)

Fort Gordon, GA

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Responsibilities

The professionals at the National Security Agency (NSA) have one common goal: to protect our nation. The mission requires a strong offense and a steadfast defense. The offense collects, processes and disseminates intelligence information derived from foreign signals for intelligence and counterintelligence purposes. The defense prevents adversaries from gaining access to sensitive classified national security information. The need to maintain our core Computer Science group is vital to provide the technical capabilities necessary to successfully execute NSA's mission. The increased complexity of supporting NSA's mission requires world class researchers, programmers, and developers who operate in teams in areas such as software engineering, information technology infrastructure, high performance computing, data science, architectures, computer security, and networking in order to design and develop advanced tools, techniques, and systems. Given the pace of technologies and myriad of adversaries in the cyber realm and foreign nation state actors, Software Engineers at the NSA develop the technologies and abilities to maintain our advantage in both national defense and information gathering. Software Engineers help collect data, extract value, route and manage at scale, build user interfaces, protect our systems, and identify and develop support infrastructure as a service provider to the Agency and Intelligence Community. As a Software Engineer, your responsibilities can include: - creating applications that scale across an entire data center - identifying and retrieving the most important pieces of information out of 100s of petabytes of data - leveraging open source software - integrating off-the-shelf and government developed software - leading new advances in computer science and riding the bleeding edge of computing technologies: - microprocessor-based advances - beyond the horizon supercomputers - signals processing (including analog control) - user interfaces - deep learning - information security - the design and implementation of encryption - advanced algorithms

Skills

The ideal candidate is someone with excellent problem-solving, communication, and interpersonal skills who is able to: - work in a team environment to build software - handle multiple assignments - synthesize information to solve complex problems - apply knowledge data structures and algorithms to software engineering problems - develop, diagnose, and operate complex computer systems - identify customer needs and validate product design - deliver software that others WANT to use - deal with conflict within a team Knowledge and experience in one or more of the following is desired: - programming with a high-level language (e.g., C, C++, Java, python, ruby,) - building user facing services, middleware, and backend systems - Full-stack development - operating systems administration and advanced user functions, site reliability engineering - computer networking (e.g., communication protocols, distributed systems, , Internet of Things, real-time systems, routing and switching) - data spaces, data
modeling, data analysis, storage design, and administration - information retrieval, machine learning, artificial intelligence, statistics and analytics - vulnerability analysis

Pay, Benefits, & Work Schedule

On-the-job training, Internal NSA courses, and external training will be made available based on the need and experience of the selectee. Monday - Friday, with basic 8hr/day work requirements between 0600 and 1800 (flexible). *Candidates hired for a position in Hawaii may be eligible to receive an annual recruitment incentive, not to exceed three years.

Position Summary

NSA is in search of Computer Science professionals to solve complex problems, test innovative approaches and research new solutions to storing, manipulating, and presenting information. We are looking for you to apply your computer science expertise to projects that seek to create new standards for the transformation of information. If you want to develop technologies and tools and be a part of cutting edge innovations; join our team of experts! Help protect national security interests as part of the world's most advanced team of computer science professionals!

Qualifications

Salary Range: $72,351 - $90,157 (Entry/Developmental) - Georgia and Texas Locations only

*The qualifications listed are the minimum acceptable to be considered for the position. Salary offers are based on candidates' education level and years of experience relevant to the position and also take into account information provided by the hiring manager/organization regarding the work level for the position. Entry is with a Bachelor's degree and no experience. An Associate's degree plus 2 years of relevant experience may be considered for individuals with in-depth experience that is clearly related to the position. Degree must be in Computer Science (CS). Related fields (e.g., Engineering, Mathematics) may be considered relevant if the programs contain, at minimum, a concentration of courses in the following foundational CS areas: algorithms; computer architecture (not network architecture); programming methodologies and languages; data structures; logic and computation; and advanced mathematics (for example, calculus, discrete mathematics). Information Technology (IT) or Information Systems (IS) degrees may be considered relevant if the programs contain the amount and type of coursework equivalent to a CS major. Relevant experience must be in the software development process (i.e., requirements analysis, software design, implementation, testing, integration, deployment/installation, and maintenance) and programming. Salary Range: $83,692 - $111,469 (Full Performance) - Georgia and Texas Locations only

*The qualifications listed are the minimum acceptable to be considered for the position. Salary offers are based on candidates' education level and years of experience relevant to the position and also take into account information provided by the hiring manager/organization regarding the work level for the position. Entry is with a Bachelor's degree plus 3 years of relevant experience or a Master's degree plus 1 year of relevant experience or a Doctoral degree and no experience. An Associate's degree plus 5 years of relevant experience may be considered for individuals with in-depth experience that is clearly related to the position. Degree must be in Computer Science (CS). Related fields (e.g., Engineering, Mathematics) may be considered relevant if the programs
contain, at minimum, a concentration of courses in the following foundational CS areas: algorithms; computer architecture (not network architecture); programming methodologies and languages; data structures; logic and computation; and advanced mathematics (for example, calculus, discrete mathematics). Information Technology (IT) or Information Systems (IS) degrees may be considered relevant if the programs contain the amount and type of coursework equivalent to a CS major. Relevant experience must be in the software development process (i.e., requirements analysis, software design, implementation, testing, integration, deployment/installation, and maintenance) and programming. Salary Range: $94,071 - $144,510 (Senior) - Hawaii Location only

*The qualifications listed are the minimum acceptable to be considered for the position. Salary offers are based on candidates' education level and years of experience relevant to the position and also take into account information provided by the hiring manager/organization regarding the work level for the position. Entry is with a Bachelor's degree plus 6 years of relevant experience or a Master's degree plus 4 years of relevant experience or a Doctoral degree plus 2 years of relevant experience. An Associate's degree plus 8 years of relevant experience may be considered for individuals with in-depth experience that is clearly related to the position. Degree must be in Computer Science (CS). Related fields (e.g., Engineering, Mathematics) may be considered relevant if the programs contain, at minimum, a concentration of courses in the following foundational CS areas: algorithms; computer architecture (not network architecture); programming methodologies and languages; data structures; logic and computation; and advanced mathematics (for example, calculus, discrete mathematics). Information Technology (IT) or Information Systems (IS) degrees may be considered relevant if the programs contain the amount and type of coursework equivalent to a CS major. Relevant experience must be in the software development process (i.e., requirements analysis, software design, implementation, testing, integration, deployment/installation, and maintenance) and programming. Formal or informal leadership experience is preferred. Salary Range: $130,758 - $169,990 (Expert) - Hawaii Location only

*The qualifications listed are the minimum acceptable to be considered for the position. Salary offers are based on candidates' education level and years of experience relevant to the position and also take into account information provided by the hiring manager/organization regarding the work level for the position. Entry is with a Bachelor's degree plus 9 years of relevant experience or a Master's degree plus 7 years of relevant experience or a Doctoral degree plus 5 years of relevant experience. An Associate's degree plus 11 years of relevant experience may be considered for individuals with in-depth experience that is clearly related to the position. Degree must be in Computer Science (CS). Related fields (e.g., Engineering, Mathematics) may be considered relevant if the programs contain, at minimum, a concentration of courses in the following foundational CS areas: algorithms; computer architecture (not network architecture); programming methodologies and languages; data structures; logic and computation; and advanced mathematics (for example, calculus, discrete mathematics). Information Technology (IT) or Information Systems (IS) degrees may be considered relevant if the programs contain the amount and type of coursework equivalent to a CS major. Relevant experience must be in the software development process (i.e., requirements analysis, software design, implementation, testing, integration, deployment/installation, and maintenance) and programming. Formal or informal leadership experience is preferred.

How To Apply - External
To apply for this position, please click the 'Apply' button located at the top right of this posting. After completing the application for the first time, or reviewing previously entered information, and clicking the 'Submit' button, you will receive a confirmation email. Please ensure your spam filters are configured to accept emails from noreply@intelligencecareers.gov. ***PLEASE NOTE: U.S. Citizenship is required for all applicants. Reasonable accommodations provided to applicants with disabilities during the application and hiring process where appropriate. NSA is an equal opportunity employer and abides by applicable employment laws and regulations. All applicants and employees are subject to random drug testing in accordance with Executive Order 12564. Employment is contingent upon successful completion of a security background investigation and polygraph. This position is a Defense Civilian Intelligence Personnel System (DCIPS) position in the Excepted Service under 10 U.S.C. 1601. DoD Components with DCIPS positions apply Veterans' Preference to eligible candidates as defined by Section 2108 of Title 5 USC, in accordance with the procedures provided in DoD Instruction 1400.25, Volume 2005, DCIPS Employment and Placement. If you are a veteran claiming veterans' preference, as defined by Section 2108 of Title 5 U.S.C., you may be asked to submit documents verifying your eligibility. Please note that you may be asked a series of questions depending on the position you apply for. Your responses will be used as part of the screening process of your application and will assist in determining your eligibility for the position. Be sure to elaborate on experiences in your resume. Failure to provide the required information or providing inaccurate information will result in your application not being considered for this position. Only those applicants who meet the qualifications for the position will be contacted to begin employment processing. Please Note: Job Posting could close earlier than the closing date due to sufficient number of applicants or position no longer available. We encourage you to apply as soon as possible.

**DCIPS Disclaimer**

The National Security Agency (NSA) is part of the DoD Intelligence Community Defense Civilian Intelligence Personnel System (DCIPS). All positions in the NSA are in the Excepted Services under 10 United States Codes (USC) 1601 appointment authority.