

Software Engineer (Artificial Intelligence/ Machine Learning)

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McLean, VA

We have an exciting opportunity for a **Software Engineer - Artificial Intelligence/ Machine Learning** to join our team in our Virginia offices (Blacksburg, Charlottesville, McLean) or in San Diego. The ideal candidate will have a strong background in machine learning including deep learning/neural networks, be willing to travel to client sites across the country, and be an excellent presenter and public speaker.

To perform this job successfully, an individual must possess the knowledge, skills, and abilities listed; meet the education and work experience required; and must be able to perform each essential duty and responsibility satisfactorily. Other duties, in addition to the below, may be assigned as necessary to meet business needs.

Essential Job Functions:

- Participate in research, design, and software implementation of solutions for machine learning problems.
- Identify state of the art machine learning models, open source implementations, commercial technologies, and cloud machine learning products that are well suited for customer problems.
- Develop software implementations of new machine learning models and algorithms from research papers explaining the mathematics and/or algorithms of a new approach, especially in the areas of deep learning using neural networks.
- Participate in software product design and planning.
- Maintain high levels of knowledge, skill, and competencies in software development for an extensive range of project types.
- Translate design requirements and specifications into successful implementations.
- Work in a team environment and share knowledge.
- Proactively enforce standards and best practices.

Minimum Required Qualifications:

- Senior Level: 5+ years of prior professional experience implementing machine learning models or algorithms as a software engineer/developer using Python or Java.
- Experience implementing Artificial Intelligence/Machine Learning techniques, algorithms, and deep learning models such as Convolutional Neural Networks.
- Experience developing agents and training classifiers
- Experience using a major machine learning platform
- Experience in one or more of: Python, Java, R
- Experience in the following a plus: Microservices, Web Services, OpenShift, Docker.

- Working knowledge of software development processes.
- Experience working in an Agile software development environment.
- Work well in a team environment with minimal supervision.
- 4-year college degree in Applied Mathematics, Statistics, Computer Science, Operations Research, or related field. Masters or Ph.D. preferred.
- College courses in machine learning, statistics, and linear algebra required
- Experience working on research projects is preferred.
- Prior DoD or Navy project experience a plus.
- Active DoD Secret level clearance a plus.
- Due to the nature of the client US Citizenship is required
- Experience implementing a solution using machine learning methods for a complex, real world problem.
- Experience in translating new machine learning models or algorithms from research papers into working software.
- Strong programming skills with a good understanding of project cycles, software development environments, and source control techniques.
- Ability to identify, prioritize and execute tasks to meet critical project deadlines. Experience bringing a software product from development to market.
- Ability to mentor junior engineers.

Knowledge, Skills and Abilities:

- Strong customer service/client facing skills
- Excellent public speaking and oral presentation capabilities
- Excellent written communication
- Microsoft Office products

Other:

- Preference is for onsite in a VA or CA office; Remote considered; some travel required