Machine Learning Engineer

SAIC · Oklahoma City, OK 4 days ago · 2 applicants

- Remote Full-time Entry level
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SAIC is seeking an individual for a Machine Learning Engineer role to join the AI Mission Accelerator's Data Science team. This opportunity allows for full-time telework from anywhere within the U.S.

Responsibilities:

- Collaborate with cross-functional teams to understand business requirements and translate them into technical solutions that leverage machine learning.
- Design, build, and maintain complex machine learning systems, models, and pipelines for production.
- Build reusable libraries and frameworks for serving machine learning models as performant APIs.
- Evaluate new machine learning research and technologies and determine feasibility for adoption.
- Establish MLOps best practices for machine learning development, testing, deployment, and maintenance.
- Improve existing machine learning systems by enhancing models, algorithms, and pipelines.
- Identify opportunities where machine learning can add value to business goals and operations.
- Communicate complex machine learning concepts clearly and simply to non-technical audiences.
- Contribute to documentation, knowledge sharing, and training to ensure the transfer of technical knowledge within the team.

Qualifications

Required Qualifications:

- Must be a US Citizen
- Bachelor's degree in Mathematics, Physics, Information Technology field, Operations Research or related discipline with five years of experience. In lieu of a degree, four additional years of experience will be considered.
- Proficiency in programming languages such as Python and with machine learning libraries such as PyTorch and scikit-learn.
- Experience developing and consuming REST APIs and microservices.
- Knowledge of continuous integration/delivery patterns and tools (e.g., Jenkins, Azure DevOps, GitHub Actions, etc.).
- Hands-on experience with MLOps tools (e.g., MLflow, Neptune, Azure ML, etc.).
- Excellent communication and collaboration skills.

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Desired Qualifications:

- Experience with cloud platforms such as AWS, GCP, or Azure.
- Proficiency with containerization technologies like Docker and Kubernetes.
- Ability to optimize machine learning models and pipelines for speed and scalability.
- Experience applying computer vision techniques such as object detection, instance or semantic segmentation, etc.
- Familiarity with computer vision libraries and frameworks such as OpenCV, TorchVision, Albumentations, Detectron2, etc.
- Experience applying natural language processing techniques such as named entity recognition, summarization, etc.
- Familiarity with transformer models and libraries.
- Familiarity with multimodal models.