Artificial Intelligence/Machine Learning Support Engineer

Position Summary
The Artificial Intelligence/Machine Learning (AI/ML) Support Engineer works with USGS customers to help them extract value from their data utilizing cloud-based tools and common machine learning algorithms. The ideal candidate will be passionate about AI/ML and stay up to date with the latest developments in the field. This is a full-time entry-level to near entry-level position located in Bozeman, Montana.

Duties
• Develops machine learning models utilizing the appropriate algorithms to achieve customer objectives
• Helps customers ensure high-quality data via data cleaning
• Supervises the data acquisition process if additional data are required
• Retrieves and uses available online datasets for model training purposes
• Defines validation strategies
• Defines needed preprocessing or feature engineering
• Defines data augmentation pipelines
• Trains models and tunes hyper-parameters
• Analyzes model errors and develops error reduction strategies
• Deploys models to production

Desired Qualifications
• Formal AI/ML coursework, training, or experience, ideally using Python
• Experience with Amazon Web Services (AWS) and Amazon SageMaker
• Experience with Jupyter Notebooks
• Ability to communicate IT technical information to non-technical users
• Ability to excel in a team environment
• Excellent verbal, written, and interpersonal communication skills
• Strong analytical skills, intellectual drive, and flexibility
• Good organizational and time-management skills
• Ability and desire to keep up to speed with fast-evolving technology and services

Minimum Experience/Education
A master’s or doctorate degree in Computer Science, Operations Research, Statistics, Mathematics or other STEM fields with statistics, math, or ML related concentration. Only candidates with excellent academic records will be considered.

Compensation
Depending on education and experience. The position will be initially presented as a contract, with potential for advancement into other classifications in the future.

We are continually looking for talented individuals to join our team! If interested, please email a cover letter, resume, transcripts (unofficial ok), and references to jerxleben@usgs.gov. You can also apply through the MSU Handshake system.