PARSONS®

AI-XR

Artificial Intelligence eXplorer

Course Overview

The AI-XR training module, provided to USGOV customers, equips analysts with the foundational knowledge and practical skills necessary to leverage artificial intelligence tools for Publicly Available Information (PAI) research in a secure, efficient, and attribution-conscious environment.

As AI becomes increasingly embedded in the information environment, analysts must be prepared to use these technologies effectively while understanding their limitations and risks. This course equips practitioners with a foundational understanding of AI and its application to PAI/OSINT workflows, with emphasis on responsible use, validation, attribution, legal considerations, and sound analytic judgment.

Certification

AI-XR instructors bring demonstrated expertise in integrating rigorous research methodologies with emerging technologies. Through hands-on instruction and realistic, mission-relevant scenarios, students learn to apply AI-enabled techniques across a range of PAI research and analytic tasks. Upon successful completion of the course, students receive a certificate recognizing their proficiency in AI-assisted PAI research and their ability to evaluate AI-generated information using the human validation methodologies taught throughout the program.



What are the distinctive features of AI-XR in supporting of PAI research?

- AI-XR integrates AI capabilities into established PAI research workflows while preserving analytic rigor, methodological discipline, and researcher accountability.
- AI-XR enhances the collection, organization, and analysis of publicly available information to identify relevant patterns, relationships, and insights with greater speed and efficiency.
- AI-XR reinforces disciplined validation of AI-generated information through source verification, corroboration, and assessment of accuracy and reliability before integration into research and analytic products.
- AI-XR utilized unique AI techniques and methodologies developed and tested by Parsons TOG.

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AI-XR APPROACH

Operational Advantages

- Integrates proven AI methodologies into PAI workflows to increase research speed, expand discovery, and support mission-relevant information requirements.
- Applies purpose-built AI techniques and advanced prompting strategies to reduce repetitive research tasks, refine information collection, and enable analysts to focus on higher-value research and assessment.
- Employs customized AI capabilities and research practices designed to preserve a managed attribution posture while enabling effective access to and exploitation of publicly available information.

AI Applications

- Healthcare
- Business and Finance
- Transportation and Mobility
- Education
- Creative Industries
- Daily Life

Program Pillars

- Set AI managed attribution postures
- Understanding AI methodology and model behavior
- Practicing critical validation of AI outputs
- Safe and secure deployment of AI tools through managed attribution
- Practical use of AI chatbots and custom prompt engineering
- Hosting self-contained AI environments for sensitive research missions
- Validate data
- Avoid AI hallucination by integrating human data validation

Skills and Outcomes

- Identifying and managing digital exposure when using AI tools in OSINT.
- Prompt engineering for optimized multilingual and mission-aligned results.
- Conducting comparative analysis of free vs. paid AI platforms (e.g., OpenAI, Perplexity, BlackBox).
- Self-hosting secure AI chatbots using cost efficient hardware (e.g., NVIDIA Orin Nano) and tools (Open-WebUI, API integration).
- Detecting manipulated or synthetic media using AI-aided validation tools.
- Understanding international AI regulatory frameworks (EU AI Act, China's Generative AI Measures, DMCA implications).

Identifying when and how to use the AI-XR Framework

- Mission
- Discovery
- Validation
- Analysis
- Report

Delivery

Parsons TOG offers training online, in person at our facilities in Herndon, VA, and Fayetteville, NC, or on-site through mobile training teams. Our secure virtual platform uses US Government–approved, Tier C–compliant encrypted Office 365 solutions that meet ISO, SOC, HIPAA, and FERPA standards and enforce multi-factor authentication. Our security-cleared instructors can train in any environment that meets required standards, ensuring compliance with your operational security requirements.

AI is not a replacement for OSINT/PAI tradecraft—it is a force multiplier. Analysts must remain the final filter between machine output and operational action. This course ensures they are trained not just to use AI, but to validate it, secure it, and explain it to leadership.

For contracted training and price quotes, please send all inquiries to: TOGTraining.parsons@parsons.us

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