AI User Training Program

Scalable, Experiential AI Literacy Training for Non-STEM Learners

The AI User Training Program aims to improve AI literacy through scalable, hands-on training that doesn't require coding or math skills.

The Problem _

Governments and industries worldwide are rapidly adopting AI—but the workforce isn't ready.

- There is a growing need for AI-literate personnel to stay competitive.
- Government agencies lack accessible, effective training options for non-STEM users.
- Most AI education focuses on technical roles, excluding frontline users and decision-makers.
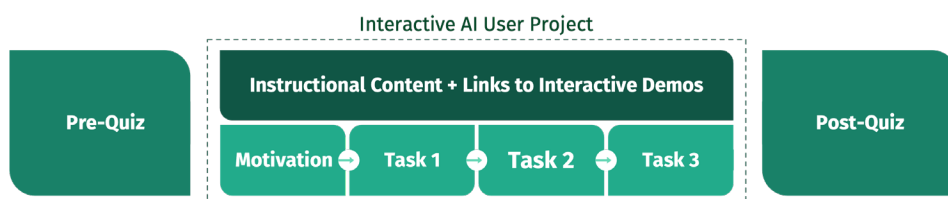
The Solution _

A 40-hour, hands-on training built specifically for non-STEM professionals.

- No coding or math required
- Based on real-world scenarios from defense, healthcare, and transportation
- Trains critical competencies for operating and evaluating AI systems
- Delivered through interactive tasks, discussions, and quizzes on the Sail() platform

AI User Project Structure _

Each unit includes a pre-quiz to evaluate prior knowledge, a project to complete, and a post-quiz to evaluate learning. Each project includes instructional content to read, interactive demos to engage learners, and four interactive no-code tasks based on real-world scenarios.

Interactive AI User Project

Pre-Quiz	Instructional Content + Links to Interactive Demos				Post-Quiz
	Motivation ⇄	Task 1 ⇄	Task 2 ⇄	Task 3	

U1	AI Capabilities & Non-Capabilities
U2	The Role of Data
U3	Model Evaluation and Troubleshooting
U4	Hardware Requirements
U5	Language Technologies & LLMs
U6	Computer Vision
U7	Decision Support
U8	Responsible AI

Carnegie Mellon University
School of Computer Science

TEELLAB
Technology for Effective and Efficient Learning

Sail()

Impact _

U.S. Navy Pilot Study

- 26 sailors completed AI User in Fall 2024–Spring 2025
- Significant improvement in AI knowledge and user confidence

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TEEL Lab's Sail() platform
Used by 1000+ learners/year since 2019

- U.S. Army (AI2C): 85 AI Technicians
- U.S. Navy (ONR): 26 sailors
- U.S. Intelligence: 38 officers
- 30+ Community Colleges via NSF support

For More Information

> contact@sailplatform.org

> sailplatform.org
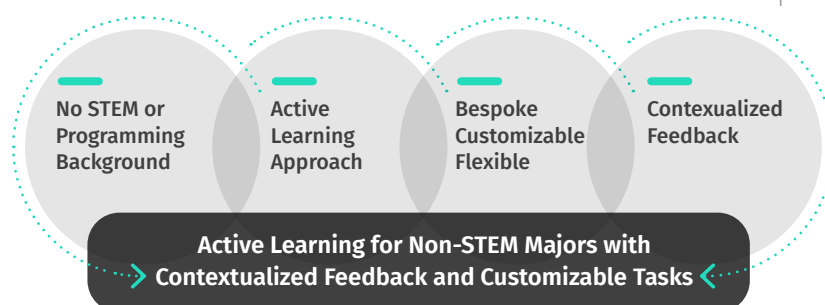
AI User Competencies _

Graduates of the AI User training will be able to:

- Identify appropriate AI tools for specific use cases
- Inspect and validate AI system outputs
- Evaluate the ethical risks of AI applications
- Operate and troubleshoot AI-driven systems responsibly

What Makes AI User Training Unique _

- Designed for non-STEM professionals
- Active learning approach: contextualized feedback and task-based learning

The AI User Difference:
Scalable Experiential Training _

No STEM or Programming Background

Active Learning Approach

Bespoke Customizable Flexible

Contexualized Feedback

Active Learning for Non-STEM Majors with Contextualized Feedback and Customizable Tasks

Flexible Learning, Built for the Modern Workplace _

→ Virtual/Online Instructor-Led Training (VILT)
- Live, real-time instruction and Q&A with experts
- Interactive virtual classrooms via Sail()
- Scalable and convenient remote learning

→ In-Person Instructor-Led Teaching
- Face-to-face sessions that encourage active participation
- Cohort-based structure promotes teamwork and peer learning

→ Self-Paced Learning
- Employees learn on their own schedule, anytime, anywhere
- A flexible option that supports ongoing development