

## CAPABILITIES STATEMENT



C3 AI (NYSE: AI), founded in 2009, is a leading enterprise artificial intelligence and machine learning (AI/ML) software provider. C3 AI provides a comprehensive and proven set of capabilities – **the C3 AI Platform** – that contains all software services necessary to design, develop, provision, and operate enterprise-scale AI applications.

The C3 AI Platform uses a model-driven architecture – a modular, object-oriented semantic approach developed over a decade with nearly \$1 billion of investment – that enhances data scientist and developer productivity and futureproofs solutions by preventing technology lock-in. The model-driven architecture enables disparate technologies and vendors to work together to provide end users with operationally-relevant AI.

Some of the software services available within the C3 AI Platform include:

- **Data Integration:** The C3 AI Platform accepts virtually every standard data format (.csv, blob, etc.) with over 200 off-the-shelf connectors. Flexible metadata-based schemas serve as an intermediary between the source data and the C3 AI Platform and enable the virtualization of existing data stores.
- **Cleaning & Normalization:** The metadata representation of data enables automated binding, loading, cleansing, and semantic transformation into a unified image based on a logical data model. During this process, the C3 AI Normalization Engine reduces outliers, interpolates missing values, aligns timestamps, and handles other normally time-consuming tasks so that data scientists can focus on AI.
- **AI/ML Model Development:** C3 AI's ML Pipelines and related runtimes provide customers with the ability to rapidly link composable ML pipes together to solve highly complex use cases with best-in-class open source, proprietary, or custom models – all independent of who developed each model. This means that models from different providers can be linked together in serial or as an ensemble.
- **Natural Language Processing:** The C3 AI Platform includes pre-built pipelines for scraping, tokenization, lemmatization, tagging, semantic parsing, and more. The Platform enables users to load pre-trained language models and configure custom NLP pipelines.
- **AI/ML Model Deployment & Operations:** With the C3 AI Platform, data scientists and developers have access to an end-to-end ML Ops workflow to rapidly evaluate,

deploy, monitor, and retrain AI/ML algorithms across the organization. Environments hosting the C3 AI Platform can be managed at scale with pre-packaged automation to include automatic scoring, compute resource auto-scaling, version management, alerting, hyperparameter optimization, and auto-retraining.

- **AI/ML Explainability:** The C3 AI Platform includes pre-built frameworks for model explainability, labeling, and user feedback centered around in-application evidence packages that help users evaluate and trust AI.
- **Application Configuration:** The C3 AI Platform includes pre-built components for visualizing, analyzing, and interacting with structured and unstructured data, including documents, user collaboration, and more.

C3 AI is a leader in AI software development for the Department of Defense and Intelligence Community, helping customers use the C3 AI Platform to develop applications for intelligence analysis, predictive maintenance, executive decision support, insider threat, and modeling and simulation.

In addition, C3 AI's Board of Directors and Advisory Board include experts in national security, AI, and other subjects, including:

- Dr. Condoleezza Rice, former US Secretary of State and National Security Adviser
- GEN John Hyten (ret.), former Vice Chairman, Joint Chiefs of Staff
- Mr. Rick Ledgett, former Deputy Director, NSA
- LTG Edward Cardon (ret.), former Commander, Army Cyber Command
- Dr. Richard Levin, former professor and CEO, Coursera
- Dr. S. Shankar Sastry, Professor UC Berkley and former Director of IT, DARPA

### **C3 AI Digital Transformation Institute (DTI)**

C3 AI has deep connections to world-class academics who specialize in AI, reasoning, cognition, and more. In 2020, C3 AI founded C3 AI DTI, a research consortium dedicated to accelerating the benefits of artificial intelligence for business, government, and society. The Institute engages the world's leading scientists to conduct research and train practitioners in the Science of Digital Transformation, which operates at the intersection of AI/ML, the cloud, internet of things, organizational behavior, public policy, and ethics.

C3 AI DTI was established in partnership with Microsoft Corporation, University of Illinois at Urbana-Champaign, University of California, Berkeley, Carnegie Mellon University, Lawrence Berkeley National Laboratory, Massachusetts Institute of Technology, National Center for Supercomputing Applications, Princeton University, and University of Chicago. The Institute is jointly managed and hosted by University of California, Berkeley and University of Illinois at Urbana-Champaign.