

# C3 AI Academy

## Flexible Training to Develop Enterprise AI Applications



The C3 AI® Suite offers a powerful, high-impact environment for creating Enterprise AI applications. To help developers, data scientists, administrators, and project personnel take advantage of these capabilities more quickly and robustly, the C3 AI Academy offers learning experiences that enable you to be successful, whatever your level of expertise.

Introductory courses expose students to core C3 AI Suite concepts and an overview of the development process. Intermediate classes teach students how to use the C3 AI Suite to build real machine learning applications and basic application building skills. These give a solid foundation to develop real value with the platform.

Later training builds on the foundation for students specializing in application development, machine learning,

user interface development, data integration, and data science. Small advanced topic courses allow learners to dig deep into those topics and learn specific skills.

We also offer courses for topics related to development and data science, like successfully managing an Enterprise AI program, the C3 AI Architecture, and The Citizen Data Scientist.

Most C3 AI Academy courses are graded on a capstone project that demonstrates real, independent work and confirms to the learner successful skill development. (We don't grade on written quizzes!)

Whatever you need to be successful with the C3 AI Suite, we have training to support you.

## Delivery Options

The delivery options for C3 AI Academy courses can accommodate teams of all sizes and experience levels. We have designed our online and in-person C3 AI Academy courses to provide an equal learning experience. All courses include similar components in their design, which includes lectures, reading assignments, and hands-on coding practice. So whether you learn online at your own pace, in a virtual class, or in a real classroom led by one of our instructors you can be certain you will get the same high level of education and skills.

All of our online courses are available through our Developer Experience Portal. There you will find our classes, documentation and the C3 AI Community, where you can find answers to all of your questions. Our instructors constantly monitor the forum, and interact live during office hours. Office hours are posted in the C3 AI Community.

# C3 AI Academy Course Catalog

## C3 AI Application Development

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This course is designed for application developers, teaching the fundamental skills required to build metrics and models in the C3 Type System.

### Learning Modules

- Introduction and Tool Setup
- Build and Populate Data Schema
- Work with Timestamped Data
- Metrics
- Package Dependencies
- Build Methods for Types
- Build Data Flow Events and Analytics

## C3 AI Cornerstone

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The C3 AI Cornerstone course is for those who want to understand what C3 AI is and what the C3 AI Suite can do. In this course you will learn about Digital Transformation, the C3 AI Suite architecture, and how data science work happens on the C3 AI Suite.

### Learning Modules

- C3 AI Design Philosophies
- Scope of Product Offerings
- Data Science Primer
- C3 AI Suite Architecture
- C3 AI Implementation - The Center of Excellence
- C3 AI Implementation - Program Timeline

## C3 AI Data Integration

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C3 AI Data Integration gives you the skills for ingesting data in the C3 AI Suite. This includes import and monitor data processing from files, streaming Cloud messaging systems, and relational and NoSQL database systems.

### Learning Modules

- Introduction and Tool Setup
- Build and Populate Data Schema
- Work with Timestamped Data
- Monitor File Data Load

## C3 AI Application Development Methodology

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The C3 AI Application Development Methodology course essentially 'reads between the lines' and dives into some of the common failure points in an Enterprise AI implementation. Through engaging activities we show how to make an implementation successful.

### Learning Modules

- Assemble the Team
- Plan the Program
- Specify Your Product
- Build & Operate
- Culture Shock

## C3 AI Data Science

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This course is designed for data scientists and dives into doing data science on the C3 AI Suite with Python and Jupyter notebooks and easily deploying your models to production.

### Learning Modules

- Introduction to C3 Data Science Course
- Introduction to C3 Server and Type System
- Business Use Case and the Course Package
- C3 AI Type System Meets Python and Jupyter
- Feature Engineering with Metrics
- Machine Learning Pipelines
- Distributed Processing Deep Dive
- Machine Learning Experimentation
- Machine Learning Model Deployment

## C3 AI Expression Engine Functions

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This course is designed to get customers and new hires more comfortable using the platform after completing Development Core, while also exploring common Expression Engine Functions. The follow topics are discussed with video demos:

### Learning Modules

- Expression Engine Functions in Transforms and Prototyping in Console
- dateTime formatting and timeZone field in Transforms
- Exploring Your Data using count, latestValue and latest
- Detailed Analysis of SwitchCountPreviousWeek and Bindings
- TimeseriesDataPoint: avg and sum Expression Engine Functions and Treatment
- TimedDataPoint: avg and sum Expression Engine Functions and Treatment

# C3 AI Academy Course Catalog (continued)

## C3 AI UI Framework

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This course is designed for application developers who need to go beyond the default configurable web components.

### Learning Modules

- Navigation Schema
- Using Data in Context in Components
- Components Interactions and Dynamic Components
- Themes

## The Citizen Data Scientist in 30 Days

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This course is designed to allow individuals who have a strong background in reporting and analytics (think Microsoft Excel and Power BI) to become Citizen Data Scientists.

### Learning Modules

- Think Like a Data Scientist
- What Questions Do You Want To Answer?
- Using Data
- Anything Excel Can Do, Ex Machina Can Do Better
- How Do You Implement Your Questions?
- Analyze Your Data
- Train, Predict, Tune
- Output & Visualize

## C3 AI UI Framework Part II

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This is a continuation of the C3 AI UI Framework Series, and picks up where the original course left off. In this course we dig deeper into React and Redux, modals and epics.

### Learning Modules

- Welcome
- React and Redux Primer
- Delete and Delete with Confirmation Modal
- Editing Fields and Adding Comments
- Trigger Server Actions with Confirmation Banner
- React Components
- Conditional Renderer
- Create Method for Custom dataSpec

## C3 AI Suite Architecture

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The C3 AI Suite Architecture course gives a basic understanding of the platform components, runtimes, and databases that make up the Suite. This short course is a good starting point for any developer who wants to understand the underlying concepts.

### Learning Modules

- Environment & Proecss
- The Type System
- Data Storage
- Unified Federated Data Image
- C3 AI Suite Data Flow