CLEMSON UNIVERSITY LIBRARIES

When the Winds of Change Blow, Some Build Walls, and Others Build Windmills.

AI-Enhanced Quality Control for Cataloging & Metadata

Charleston Conference 2026

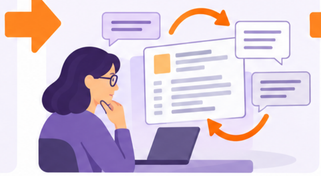
How Cataloging Buddy developed

From real cataloging examples to a reusable plugin

1. START WITH REAL RECORDS
OCLC bibliographic records of many types from the corpus being cataloged.



2. DEVELOP THROUGH REVIEW
A custom GPT was developed through repeated review of those records.



3. CONVERT TO A PLUGIN
The GPT was converted into the Cataloging Buddy plugin.



An example-led approach

The starting point was the cataloging corpus—not a finished checklist. Repeated record review helped develop corpus-specific review practices.

Learning from examples in context is different from retraining the underlying AI model.
Cataloger expertise remains central.

Cataloging Buddy: A Second Reader

Growing workload. Limited staff time. Another look.

What it helps flag



Missing details
Titles, names, dates



Conflicting information
Do the details agree?



Spaces and punctuation
Small errors are easy to miss

What guides the review



Local knowledge
Rules and local decisions





Examples
Correct and incorrect records



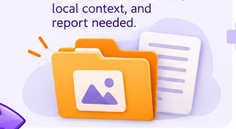
Review design
Categories and boundaries

Cataloging Buddy flags possible issues. The cataloger reviews and decides.
The workflow can be reused, tested, and refined as new records are reviewed.
The tool can change. The workflow remains.

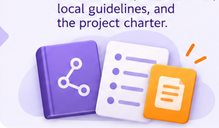
Building a Metadata QC Plugin

Standards + real records + expert feedback

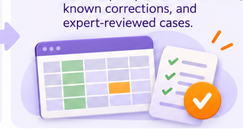
1. DEFINE THE TASK
Describe the collection, local context, and report needed.



2. SUPPLY THE STANDARDS
Add schemas, vocabularies, local guidelines, and the project charter.



3. PROVIDE REAL EXAMPLES
Use sample spreadsheet records, known corrections, and expert-reviewed cases.



4. BUILD THE FIRST CHECKS
Use plain-language requests to develop checks and an Excel QC report.



5. TEST, REVIEW, REFINE
Accept, reject, or investigate flags. Update rules and retest earlier cases.



6. REUSE THE PLUGIN
Generate findings with evidence, priorities, and space for reviewer decisions.



Flag candidates for review—not automatic corrections.
A metadata expert verifies the evidence and decides what changes.

Giving AI a Face

From a text box to a recognizable presence

NAMES
A familiar identity to address

VOICES
Spoken conversation and tone

AVATARS
A visual identity for the assistant





Example: Arlo, a personalized dot avatar

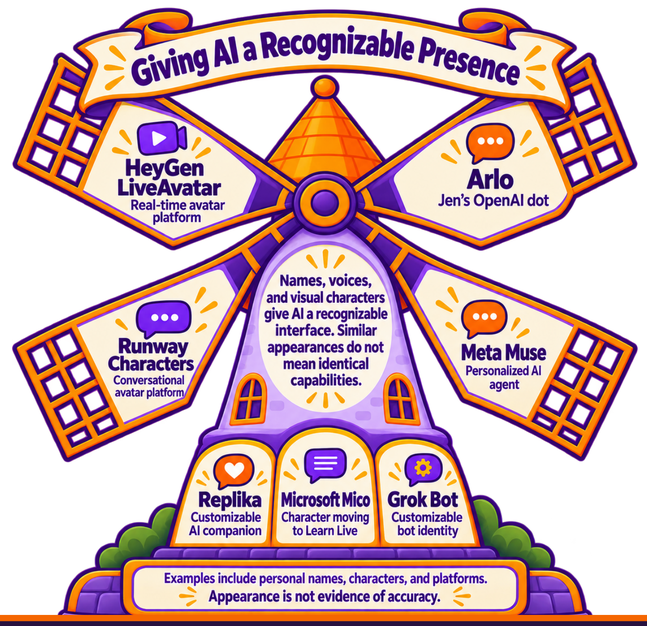
ANIMATION
Movement and expressions during interaction



Some AI products combine names, voices, avatars, and animation to create a more personal interface. These features shape how we interact with AI, not how reliable its answers are.

A familiar face still needs human judgment.

Giving AI a Recognizable Presence



Examples include personal names, characters, and platforms.
Appearance is not evidence of accuracy.

How dots, plugins, and skills work together

You set the goal. The dot coordinates the work.

YOU
Provide the goal and relevant records



Arlo • your dot
Plans the steps and uses available capabilities

PLUGIN
An installable package of capabilities

SKILLS
Reusable instructions, examples, and resources

TOOLS & CONNECTIONS
Optional access to apps and actions

HUMAN REVIEW
Check the evidence and decide what to change

Plugins may contain skills, tools, or both. Connected apps require permission.

Scan for Information

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