

Fun with AI (and more)

DEBBIE GINSBERG

CALICON25

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DGINSBERG@LAW.HARVARD.EDU

Today

- ▶ Your own AI
- ▶ Notero
- ▶ NotebookLM
- ▶ o3

Your own AI

- ▶ [Ollama](#)
- ▶ [Docker](#)
- ▶ [Open-WebUI](#)
- ▶ [Guy explaining how to do this while also talking about McDonald's receipts for some reason](#)
- ▶ You should have at least 8 GB of RAM available to run the 7B models, 16 GB to run the 13B models, and 32 GB to run the 33B models.

Ollama

- ▶ Runs and installs LLMs
- ▶ Download and install
- ▶ Easy to update
- ▶ Install new models in your terminal

Models

- ▶ Size
- ▶ Date
- ▶ Info
- ▶ Compare:
<https://github.com/ollama/ollama/blob/main/README.md>
- ▶ Command: ollama run [model]
- ▶ Update: ollama pull [model]

Docker

- ▶ Let's you use Open-WebUI
- ▶ Download
- ▶ Configure

Open-WebUI

- ▶ Let's you run LLMs in your browser
- ▶ Use the Ollama install command in your terminal
- ▶ Use Docker to start (click the “host” link)

Updating

- ▶ Ollama – automatic
- ▶ Docker – in-app notification
- ▶ WebUI - in-app notification of new version, update using “pull” command

Why use local AI?

- ▶ No Internet
- ▶ Privacy
- ▶ Control
- ▶ Customization
- ▶ Avoid latency
- ▶ Cost

Why not?

- ▶ Slow – even on new computers
- ▶ Set up time/effort
- ▶ Limited functionality

Other options

- ▶ [GPT4All](#)
- ▶ [LMStudio](#)

Notero

- ▶ Save to Zotero, process in Notion

Install Notero (this used to be a lot harder)

- ▶  [Install](#) the [Notero](#) plugin into Zotero.
- ▶  [Connect](#) and configure your Notion database.
- ▶  Choose your Zotero collections to monitor.
- ▶  Add or update items in your collections.
- ▶  Watch your items sync into Notion!

Notero

- ▶ Multiple views
- ▶ Custom fields
- ▶ Share

NotebookLM

- ▶ Your own personal RAG
- ▶ Upload documents, websites, more
- ▶ Create your own podcast
- ▶ Limits/privacy based on account type

ChatGPT o3

- ▶ Full version only in certain account types
- ▶ Guided reasoning
- ▶ Very slow!
 - ▶ But much better results!
 - ▶ This was early June – it's now