

# From LLMs to Operating Systems

Inspired by the MemGPT paper and the DeepLearning.AI course, these notebooks explore how to overcome the memory limitations of LLMs by treating them like the CPU of a traditional operating system.

## Concept 1: The Memory Hierarchy

Just like a computer has fast RAM and slow disk storage, an agent has a tiered memory system. The key is to intelligently manage what information is loaded into the LLM's limited "working memory" (the context window).

