Current Research: The Scone Knowledge-Base System

- A practical, open-source “smart symbolic memory” for many AI and non-AI applications.
- Goals: Speed/scalability, expressiveness, ease of use.
- Optimized for human-like “common sense” reasoning, not theorem-proving or logic puzzles.
- Multiple context mechanism allows many overlapping world-models in the same KB.

Related Research Efforts:

- Knowledge-based natural language understanding – not just “processing”.
- Knowledge-based speech understanding and optical character recognition.
- Episodic memory in Scone: actions, events, sequences, plans, timing.
- Context-aware computing: Assistants with knowledge and common sense.

Previous work in many other areas of AI:

- Planning, artificial neural nets, learning, massively parallel architectures for AI.