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Agentic AI: A Progression of Language Model Usage

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Agentic AI

A Progression of Language Model Usage

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Agentic LMs

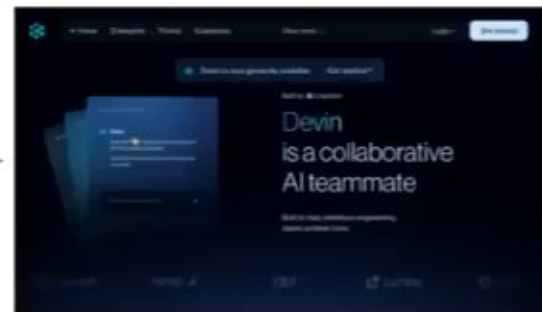
Real-world Applications

- Software Development
 - Code generation and review
 - Bug detection and fixing
- Research and Analysis
 - Data gathering and synthesis
 - Report generation
- Task Automation
 - Workflow optimization
 - Process automation

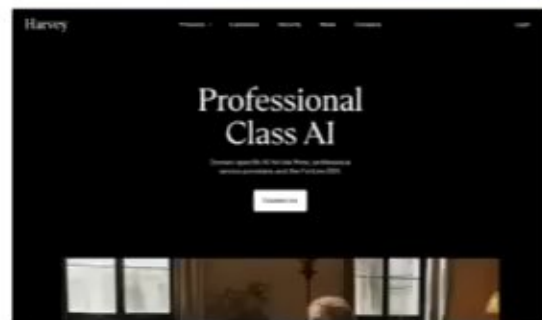
AI SDR



AI SW developer



AI lawyer



Ref: https://cs230.stanford.edu/syllabus/fall_2024/rog_agents.pdf

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Agentic LM design patterns

Here are some key agent design patterns:

- **Planning**: Multi-step planning to achieve goals
- **Reflection**: Examines its own work and improves
- **Tool usage**: Utilizes web search, code executions
- **Multi-agent collaboration**: Splits work and facilitates discussion

Ref: <https://www.deeplearning.ai/the-batch/how-agents-can-improve-llm-performance/>