

Founding cohort | 4-week live program

Building AI Agents

Go from using AI tools to building AI agents that complete real-world tasks.

**Starts** Fri 9 Oct 2026, live to Sun 1 Nov

Live on weekends, Sat & Sun 11:00 AM–12:30 PM ET, with Jay Bobba

\$49 Founding cohort**Reserve your seat**emergera.ai/register

Scan for full details and dates



Program at a glance

**4 weeks**

8 live sessions + kickoff

**12 hours**

Live instruction

**3–4 hrs/week**

Hands-on projects

**Beginner to intermediate**

Basic Python needed

Weekly curriculum

1

**Week 1** Sat 10 – Sun 11 Oct**Foundations and your first agent**

What an agent actually is, the agent loop, tools and schemas. Project: a research assistant that answers with sources.

2

**Week 2** Sat 17 – Sun 18 Oct**Tools, APIs and workflows**

Tool design, external APIs, structured output and multi-step workflows. Project: automate a real, repetitive task.

3

**Week 3** Sat 24 – Sun 25 Oct**Real-world agent systems**

RAG, memory, human approval, guardrails and evaluation. Project: a knowledge assistant with guardrails.

4

**Week 4** Sat 31 Oct – Sun 1 Nov**Capstone: build, deploy and demo**

Architecture review, deployment and a clear README, then present your own agent at Demo Day.

Who should attend



- **Students and graduates** building a real AI portfolio
- **Working professionals** automating tasks in their role
- **Developers** ready to build reliable agents
- **Career changers** who can write basic Python

Learning outcomes



- **Pick the right design** LLM call, workflow or agent
- **Build an agent loop** from scratch in Python
- **Use tools and APIs** with structured output
- **Add retrieval and memory** over your own data
- **Make it reliable** guardrails and evaluation
- **Deploy and present** a working agent app



Capstone project

Build your own agent for a real user and a real problem: at least two tools, a guardrail or approval step, an evaluation set, deployed and documented. Solo or in a small team.

**Capstone:** a deployed AI agent, presented at Demo Day on Sun 1 Nov.

Live instruction

8 live sessions, Sat & Sun 11:00 AM–12:30 PM ET, all recorded. Kickoff Fri 9 Oct, 8 PM ET.



Credential

Certificate of Completion, with a Distinction tier. Eligible learners can be considered for career opportunities through USM Business Systems.