Crafting AI Prompts: Prompt Engineering I Course

Learn the essentials of prompt engineering by crafting and refining inputs that help AI models produce accurate and effective outputs. This compact half-day course blends foundational concepts with hands-on exercises to build prompt skills.

Group classes in Live Online and onsite training is available for this course. For more information, email onsite@graduateschool.edu or visit: https://www.graduateschool.edu/courses/crafting-ai-prompts-prompt-engineering-i

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Course Outline

Module 1: Introduction to Prompting
- Define prompting and its role in controlling model behavior.
- Try simple prompts for Q&A, definitions, and summaries.
- Hands-on: craft your first basic prompt.

Module 2: Prompting Fundamentals
- Elements of strong prompts: clarity, specificity, structure.
- Compare instructional, open-ended, and task-specific prompts.
- Rewrite vague prompts into precise, testable instructions.

Module 3: Introduction to Intermediate Techniques
- Use role-based, iterative, and few-shot prompting patterns.
- Demo: persona-based tasks and example-driven formatting.
- Hands-on: design a few-shot or role-based prompt.

Module 4: Interactive Exercises and Challenges
- Group scenarios (e.g., lesson plans, dialogues, planning).
- Review and critique outputs to diagnose issues.
- Refine prompts to improve accuracy and formatting.

Module 5: Wrap-Up and Q&A
- Recap core techniques and patterns.
- Preview advanced topics (CoT, self-consistency).
- Plan next steps for continued practice.