

# AI and Social Engineering

# Mastering AI: Key Prompting Principles



## Prompting Fundamentals

A prompt is a direct instruction to AI, guiding it to produce specific outputs like text, images, or code. It's the essential first step for effective AI interaction.



## Iteration Methods

Refine AI responses by rephrasing prompts, adding specific constraints, or breaking down complex queries into simpler, iterative steps to achieve desired outcomes.



## Advanced Techniques

Leverage "Prompt Chaining" for sequential AI tasks, "Chain of Thought" for detailed reasoning, and "Meta Prompting" where AI assists in crafting better prompts.

# Advanced Prompting Strategies

To truly master AI interactions and unlock its full potential, consider these advanced prompting strategies:



## The Power of Three

Instead of regenerating a response, ask the AI for three different variations in your initial prompt. This approach encourages diverse thinking and helps uncover ideas you might not have considered.



## Multi-step Workflows

For complex tasks, break them down into smaller, sequential prompts. This "Chain of Thought" method guides the AI through a logical progression, leading to more accurate and detailed results.



## Template Timesavers

Overcome writer's block and boost efficiency by asking the AI to generate customizable templates based on your specific role and responsibilities. This provides a strong starting point for various documents.



## Top-Down Analysis

When researching a new topic, begin with broad prompts to gain an overview. Gradually narrow your focus to uncover specific, actionable insights, similar to a comprehensive competitive analysis.



## Supercharge Your PDFs

For Google users, leverage Google Docs to open PDFs uploaded to Drive. Use integrated AI features to summarize documents, create presentation outlines, and extract key information effortlessly.

# Bingo Card



 Bingo Baker



## #1 Free Bingo Card Generator – Play Online or Print Cards

Create your own bingo cards with words and images, or choose from hundreds of existing cards. Print them or play online. It's easy.

Favorite Food	First pet's name	Personal information	Childhood street name	Recovery key
Verification code	Date of birth	Backup code	Emergency contact information	Address
Dream vacation spot	Trusted phone number	<b>Free!</b>	Anniversary date	First car model
Driver's license number	Mother's maiden name	Last four digits of SSN	Nickname	Favorite book
Email address	City of birth	Favorite color	Secret answer	High school mascot

# AI Tools

**ChatGPT** ●



**ChatGPT**

A conversational AI system that listens, learns, and challenges



 **Gemini**



**Google Gemini**

Meet Gemini, Google's AI assistant. Get help with writing, planning, brainstorming, and more. Experience the power of generative AI.



<https://notebooklm.google.com/>

**Take all the card from the bingo board and generate  
a pretext for each item.**

**Take all the card from the bingo board and generate a pretext for each item. Assume the role of a college student.**

**Take all the card from the bingo board and generate a pretext for each item. Assume the role of a college student. Show your thinking.**



YouTube



## Hacking AI is TOO EASY (this should be illegal)

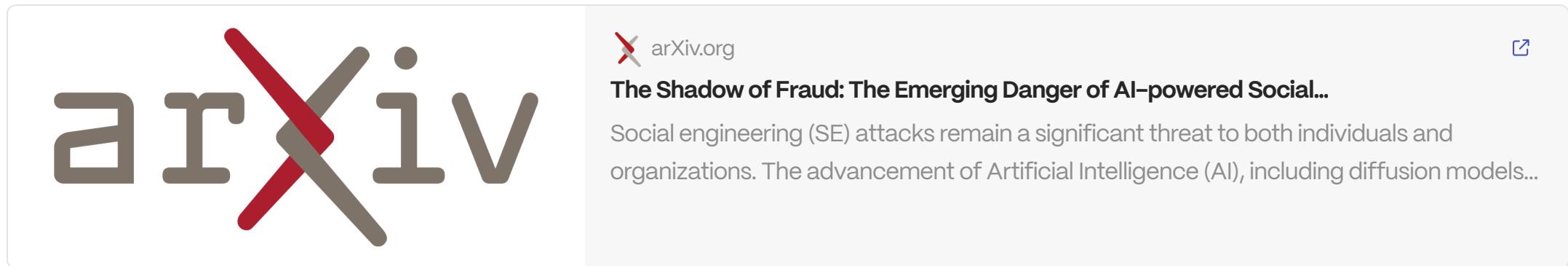
Want to deploy AI in your cloud apps SAFELY? Let Wiz help: <https://ntck.co/wiz> Can you hack AI? In this video I sit down with elite AI hacker Jason Haddix to unpack how...

▶ 26:39



## Why AI Prompt Injection Is the New Social Engineering | BlackFog

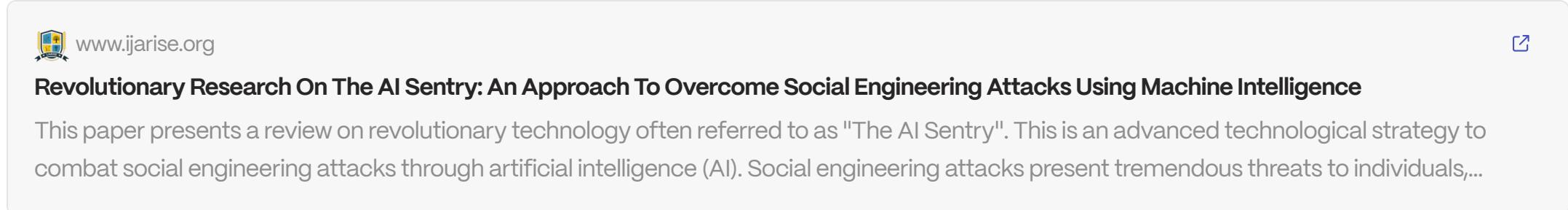
Find out why cybersecurity pros should be treating AI prompt injection hacks in the same way as social engineering attacks.



The arXiv logo is prominently displayed in large, dark grey letters. A thick red 'X' is overlaid across the middle of the logo, obscuring the 'r' and 'x' characters.

## The Shadow of Fraud: The Emerging Danger of AI-powered Social...

Social engineering (SE) attacks remain a significant threat to both individuals and organizations. The advancement of Artificial Intelligence (AI), including diffusion models...



www.ijarise.org

## Revolutionary Research On The AI Sentry: An Approach To Overcome Social Engineering Attacks Using Machine Intelligence

This paper presents a review on revolutionary technology often referred to as "The AI Sentry". This is an advanced technological strategy to combat social engineering attacks through artificial intelligence (AI). Social engineering attacks present tremendous threats to individuals,...