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# Prompt Engineer training: The art of creating AI instructions

2 days (14 hours)

## Presentation

Discover how to create powerful AI instructions and explore the countless possibilities offered by this revolutionary technology.

Our Prompt Engineer training course will immerse you in the field of artificial intelligence applied to instruction creation.

You'll gain an in-depth understanding of the fundamental concepts and techniques needed to create effective prompts, whether for natural language processing, content generation or other applications.

In this training course, you'll explore the advanced features of Prompt Engineering, including the creation of multilingual prompts, the generation of specific responses, and much more.

What's more, you'll learn how to optimize your prompts for impressive results, using the latest advances in the field.

Like all our training courses, this one will introduce you to the [latest](#) Chat GPT-4o [resources](#).

## Objectives

- Understand the fundamental concepts of prompt engineering
- Master advanced prompts generation techniques
- Be able to evaluate and improve the quality of prompts, identify potential problems and apply improvement strategies.
- Develop practical skills in prompt engineering

# Target audience

Developers.

## Prerequisites

- Basic knowledge of Python would be a plus
- You need to have the paid version of ChatGPT and make an initial payment (of at least \$5) to the OpenAI API account.

## Prompt Engineer training program

### Introduction to Prompt Engineering

- What is Prompt Engineering?
- Understanding the basics of prompt engineering
- The importance of creating quality prompts
- Applications of prompt engineering in AI
- Common challenges in prompt engineering
- Essential tools and resources
- [PRACTICE] Creating an effective prompt

### Advanced Prompts Engineering Techniques

- Explore advanced prompts generation techniques
- Optimizing prompts for specific results
- The use of pre-trained language models in prompt engineering
- Prompt engineering best practices
- Create a prompt for a specific task
- Workshop: Optimizing existing prompts

### Prompts evaluation and enhancement

- Prompt quality assessment methods
- Identifying potential problems in prompts
- Prompt improvement strategies
- Feedback and iterations in prompt engineering
- Analyzing and improving a poorly designed prompt
- [PRACTICE] Reviewing prompts

### Advanced applications

- Prompt engineering for content generation
- Interaction between prompt engineering and learning reinforcement
- Use of prompts for information retrieval
- Customize prompts for specific users
- Prompt creation for advanced applications
- Creating an application based on prompt engineering

## Practical projects

- Prompt engineering application for image classification
- Creating chatbot templates based on prompts
- Using prompts to automate writing tasks
- Development of a recommendation system based on prompt engineering
- Building a prompts-based job search system
- Designing an AI application using prompt engineering

## Practical projects and applications

- Create a gallery of artistic images
- Photorealistic content design
- Automated miniature generation
- Illustration creation
  - Blog posts
  - The articles
- Development of a customized image generation application
- Collaboration on creative projects

## Integration

- Application of prompt engineering in the healthcare industry
- Using prompts for automated financial analysis
- Integrating prompt engineering into customer service chatbots
- Prompt engineering in digital content creation
- Improving operations with prompt engineering

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or learning difficulties.

in-company security (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.