AI + LLM App Development Bootcamp
AI for Business + Development of LLM Apps

Program Presentation

Welcome!

- To a unique program in the world.
- That will make you an expert in the market's most promising area.
- Teaching you how to apply AI in the business world.
- And how to build the most potential AI applications.
- With this program, you will boost your career and join the elite of professionals prepared to make the most of our time's greatest revolution.

It is the right time to learn AI
Opportunities

Look at what top business leaders think

"Generative AI is the most powerful tool ever created. It has the potential to unleash a ==new era of human innovation==" **Elon Musk (fundador de Tesla).**

"Generative AI is ==key to solving some of the world's biggest problems==, like climate change, poverty, and disease. It has the potential to make the world a better place for everyone." **Mark Zuckerberg (fundador de Facebook).**

"The new Generative AI ==has the potential to change the world in ways we can't even imagine. It has the power to create new ideas, products, and services that will make our lives easier, more productive, and more creative==. It also has the potential to solve some of the world's biggest problems, like climate change, poverty, and disease. The future of generative AI is bright, and I'm excited to see what it will bring." **Bill Gates (fundador de Microsoft).**

Opportunities: internships, jobs, collaboration, startups

- By joining the small group of people who currently master AI, you will open up a large number of opportunities for internships, employment, collaboration, and startups.

Look at the job offers on any given day in SF

Head of AI
Relyance AI
San Ramon, CA

Apply Now

Job Details
$ $175,000 - $300,000 a year

AI Engineer
Lasso - 3.6 ★
San Francisco, CA

Quick Apply

Job Details
Full-time | Estimated: $143K - $181K a year

AI Engineer
Distyl AI
San Francisco, CA

Quick Apply

Job Details
Full-time | Estimated: $146K - $185K a year

Engineering Manager, LLM Scaling
Anthropic
San Francisco, CA

Apply Now

Job Details
Full-time | $ $300,000 - $520,000 a year

General Manager, AI
LogicMonitor - 4.2 ★
San Francisco, CA

Apply Now

Job Details
$ $275,000 - $350,000 a year

Senior Product Manager, Generative AI
TikTok - 3.4 ★
San Francisco, CA

Apply Now

Job Details
$ $204,000 - $399,600 a year

Engineering Manager, AI
Notion - 5.0 ★
San Francisco, CA

Apply Now

Job Details
$ $200,000 - $260,000 a year

Founding Engineer, AI
Inventive - 3.6 ★
San Francisco, CA

Quick Apply

Job Details
$ Estimated: $157K - $199K a year

Head of Applied AI
Descript
San Francisco, CA

Apply Now

Job Details
$ $200,000 - $260,000 a year

Head of AI Platform
FRANKLIN TEMPLETON
Franklin Templeton Investments - 4.0 ★
San Ramon, CA

Apply Now

Job Details
Full-time | $ $200,000 - $300,000 a year

AI Application Software Engineer
Qualcomm - 4.0 ★
San Francisco Bay Area, CA

Apply Now

Job Details
$ $148,500 - $222,500 a year

Head of AI Platform
FRANKLIN TEMPLETON
Franklin Templeton Investments - 4.0 ★
San Ramon, CA

Apply Now

Job Details
Full-time | $ $200,000 - $300,000 a year

Preferential Access to the "AI Opportunities" Program

- All students of this program have preferential access to the "AI Opportunities" program of the AI Accelerator. The "AI Opportunities" program is a coaching program aimed at opening professional opportunities in the AI field:
    - Internship jobs for AI consultants (technical or commercial).
    - Jobs as an AI consultant (technical or commercial).
    - Role of AI Ambassador in your company.
    - Role of AI Ambassador in your training center.
    - Opportunities for entrepreneurs in the AI market.
    - Opportunities for investors in the AI market.

- Contact us to book a coaching session about this.

What will you learn?
What will you be able to do?

What will you be able to do after completing this program?

- You'll add to your resume that you're an AI expert. Not just theoretically, but also practically.
- You'll be able to identify areas where AI can be introduced in a company.
- You'll be able to implement an AI Introduction Plan in a company.
- You'll understand what an AI application is and the types of AI applications that exist.
- You'll move confidently among the different components of AI technology: Python, Langchain, LlamaIndex, OpenAI, FastAPI, Next.js, Vercel, Render, AWS, LangSmith, LangServe, etc., will become familiar tools to you.
- You'll be able to build LLM applications, the AI applications with the most market potential, from scratch to a professional level.
- You'll know in which areas new AI Startups are being created and how to use your knowledge to start one.

Contents from our in-person master program

- For each lesson:
    - We will present the general outline of the lesson in the video.
    - We will give you material to complete the study on your own.
    - In the practical lessons, we will give you solved exercises for you to repeat them and practice.
    - Repeat until you master the lesson.

- This is a Bootcamp:
    - Your commitment is key.

Curriculum. Part 1: The new Artificial Intelligence

- The New Artificial Intelligence: what it is, why it's interesting now, and why it's so important.
- Changes introduced by the new AI: introduction.
- Changes in employment: opportunities and threats.
- Training in the new AI: key to accessing new jobs.
- Changes in the company: opportunities and threats.
- Introduction of AI in the company.
- AI Startups: opportunities to create new businesses.
- Consulting firms, business advisory services, and marketing agencies: business opportunities for these companies in the new AI market.

Curriculum. Part 2: Development of LLM Apps (1)

- Use cases for LLM Applications.
- Basic concepts of LLMs.
- Basic concepts of LLM Applications.
- Architecture of an LLM application.
- Basic concepts of the RAG technique.
- Orchestration frameworks: LangChain, LlamaIndex, or OpenAI API?
- Basic LangChain.
- LangChain LCEL.
- LangSmith, LangServe, LangChain Templates, LangChain chatbot.
- Introduction to the programming exercise block.
- Basic programming and LLM Apps: python, fastapi, javascript, react/nextjs.
- Basic concepts of the development environment.

Curriculum. Part 2: Development of LLM Apps (2)

- Level 1 applications: "toy demos" with LangChain.
- Level 2 applications: "toy demos" with LangChain and Streamlit UI.
- LlamaIndex.
- OpenAI API.
- Introduction to full-stack applications.
- Level 3 applications: full-stack apps with Langchain/Llamaindex, FastAPI, and Nextjs.
- LLM Applications: advanced concepts.
- Latency: speed of LLM Applications.
- Cost control of LLM Applications.
- LLMOps: evaluation, observability, guardrails, monitoring, etc.
- How AI engineers stay informed.

Concepts you will master by the end of the program

- Generative AI.
- Foundational Models.
- Embeddings.
- Vector Databases.
- Semantic Search.
- Prompt Engineering.
- Orchestration Frameworks.
- Autonomous Agents.
- LLM Apps.
- LLM Ops.
- Fine Tuning.

Included Materials
Books, Presentations, Notebooks, Code

Program contents

- Hundreds of videos.
- Dozens of exercises, projects, and support materials.
- Access to the code of all exercises.
- Possibility to use the projects in your professional portfolio.
- "Key Aspects of Artificial Intelligence" book in ebook format.
- "100 AI Startups" book in ebook format.
- Preferential access to personalized coaching with the instructor.
- Possibility to obtain a program certificate.
- Preferential access to the AI Opportunities program.
- Preferential access to future editions of the program.

Who this program is for
Integral Bootcamp + End-to-End Projects

Who this program is for

- Executives without technical knowledge.
- Engineers without AI knowledge.
- Engineers with basic AI knowledge.
- Professionals without technical knowledge.
- Students without technical knowledge.
- Entrepreneurs who want to create an AI startup.
- The program does not require previous knowledge, but if you have it, you'll learn even faster.

No matter what, this is an opportunity for you

- No matter your experience.
- No matter your education.
- No matter your age.
- No matter your genre.
- No matter your nationality.

- The only thing that matters is your willingness to progress and your perseverance to learn.

What makes this program different?
Does not require previous knowledge

Traditional courses are of three types

1. Theoretical courses on AI.

2. "Toy demos" of LangChain or LlamaIndex.

3. "Toy demos" of LangChain or LlamaIndex with "Toy UIs" of Streamlit. In some cases, these "toy demos" are presented as "end-to-end projects," but the reality is that they are far from being full-stack applications.

With incomplete courses, frustration is total

- The student becomes frustrated with non-practical courses.

- The student becomes frustrated upon realizing that the "toy demos" are far from being true LLM Applications.
    - They don't have a professional backend.
    - They don't have a professional frontend.
    - They don't include professional tools like AWS S3.
    - They don't include front and back deployment methods.
    - They don't include evaluation methods (testing).
    - Etc.

- Therefore, the "toy demos" are of little use to students who want to apply them in a company, in a startup, or to find employment.

What makes this program different? (1)

- This is an accessible, comprehensive, practical, and complete program.
  - **Accessible**: aimed at students with or without a technical profile. No prior knowledge required.

  - **Comprehensive**: provides knowledge from both a business and technical viewpoint. This is very useful for both executives and technical professionals.

  - **Practical**: provides practical knowledge and dozens of projects ready to be used in your company, your startup, or your professional portfolio.

  - **Complete**: goes far beyond "toy demos," delving deep into the details of developing professional full-stack applications and their deployment process.

What makes this program different? (2)

- **Assisted**: includes preferential access to online coaching with the instructor.

- **Certificate (optional)**: includes the possibility of receiving a certificate.

- **Professional internships (optional)**: includes preferential access to the AI Accelera's "AI Opportunities" program.
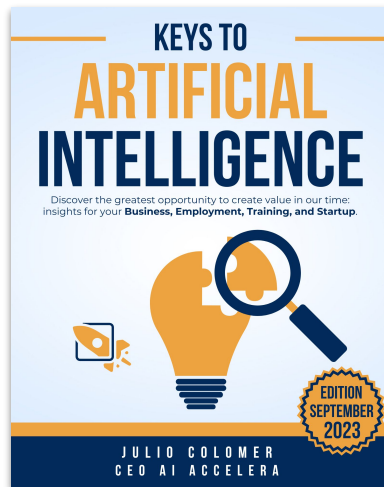
In short

- This is a program designed by people with real experience with:
    - The real needs of companies,

    - The real needs of engineers developing LLM Applications,

    - And the needs of students without technical experience.

Instructor
Introduction

Program Director

- CEO of AI Accelera.
- Training and AI projects.
- Traditional AI and new AI.

- AI Engineer, LLM Apps.
- Hybrid profile: AI + Business.
- AI Stanford + MBA ESADE.
- Author of 2 books on AI.
- Director of AI Report 2023-24.

- 10 years in Silicon Valley.
- Startup experience. 5 Rounds.

Share it with the world

Let them know you are part of the AI Revolution

Communicate: it helps you and us

- Some students find it helpful to share on their social networks that they have started the program and what they are learning, as making it public increases their level of commitment and visibility.

- Invite others to enroll in the program. By doing so, you may change their lives.

- If you're happy with the program, your positive reviews and recommendations on the internet and social networks will help us grow.

- If you have ideas or suggestions, your comments will help us improve the program.