AI Coding (14+ y/o)

AI Programming 400 – Intro to GenAI and Applications

Course Description

AI400 is designed to help students understand Generative AI, giving them the skills to use it in daily life and the knowledge to follow broader conversations about the technology.
Through interactive demos, hands-on projects, and real-world applications, participants will gain both confidence and critical awareness of the technology shaping today's world. This course is for anyone, no computer science background required.

By the end of AI400, students will be able to:
- Understand what Generative AI is and what it can (and cannot) do
- Use AI tools to support the tasks they take on in school, work, and everyday life.
- Learn prompting strategies to get better outputs
- Recognize potential danger of AI, including bias and hallucination
- Learn how to follow AI discussions and put them into context.

Course Structure

AI400 is taught in two levels (16 hours each). Level 1 introduces the fundamentals of AI. Students discover Generative AI and widely used applications, then practice applying these tools in ways that support their studies, careers, and daily tasks. Level 2 takes a deeper dive into how large language models work and why factors such as data and hardware matter. Students also explore how AI is transforming industries and experiment with advanced use cases like data analysis and language learning.

Who Should Enroll

This course is for anyone curious about AI who wants to feel more confident using it and understanding what's happening in the field. No coding or technical background is required.

Level 1: Foundations and Everyday Use
- Module 1: What is Generative AI?
- Module 2: Responsible AI Use
- Module 3: Exploring AI Assistants
- Module 4: ChatGPT, Prompting Basics
- Module 5: AI for Learning & Research
- Module 6: AI for Everyday Tasks
- Module 7: AI for Creative Tasks
- Module 8: Mini Project

Level 2: Advanced Concepts and Broader Impact
- Module 9: AI Big Picture
- Module 10: Large Language Models Explained
- Module 11: Prompting Advanced
- Module 12: AI for Data Analysis
- Module 13: AI for Language & Communication
- Module 14: More AI Applications
- Module 15: AI in Society
  Module 16: Final Project

About: https://school.thinkland.ai/about

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