

AI Coding Bootcamp for Teens

Award-winning AI curriculum for youth: [Shatranj.ai](https://chesscoding.ai)

5 days – 25 lessons: Play the Future

Solve historical board games with AI

At Cambridge Innovation Center in Kendall Square, next to MIT and Kendall/MIT T-station

MIT Campus Walks

Former first board player for MIT’s chess team and MIT EECS alumnus Tamer Karatekin will take students on walks through the MIT campus, sharing stories about AI research at MIT, student life, and entrepreneurship.



5-day intensive AI coding bootcamps for ages 11-18

What makes chesscoding.ai bootcamps different?

- European Union Erasmus+ Youth grant award-winning [shatranj.ai](https://chesscoding.ai) curriculum that blends history of artificial intelligence research with chess and historical board games
- Hands-on coding projects rooted in classic AI research, computer science theory, and historically important chessboard puzzles for AI testing — not just AI tool or prompt use
- Connects classical AI research to famous chessboard and logic problems such as the Knight’s Tour, Eight Queens, Dilaram Mate, and the 1000-year unsolved mystery, Suli’s Diamond.
- Master artificial intelligence through the historical progress of chess AI software such as Deep Blue, Stockfish, and AlphaZero
- Taught by an experienced children’s and youth trainer who has coached scholastic chess players to medals at World and European Youth and School Chess Championships
- Held next to MIT, with an inspiring guided campus tour
- Cost-effective with a low student-to-teacher ratio for a high-impact learning experience

Taught by Tamer Karatekin

- MIT EECS alumnus
- Former first board player for MIT’s chess team
- FIDE Master, FIDE Trainer, FIDE School Instructor
- Youth chess coach of [international medalists](https://chesscoding.ai)
- Held draws against world chess champions [Kasparov](https://chesscoding.ai) and [Karpov](https://chesscoding.ai) in simultaneous exhibitions



TEDxBoston

For more about our education philosophy watch our TEDxBoston talk:

“Bridging Cultures, Inspiring AI, and Redefining Education”

https://www.youtube.com/watch?v=BDLiXo_acLg

Summer 2026 sessions

June 29-July 3

July 6-10

July 13-17

July 20-24

July 27-31

Aug 3-7

Aug 10-14

Aug 17-21

9:00-17:00 EST

flexible drop-off and pick-up times

Weekend option

A lighter 2-day weekend bootcamp is also available!

Tuition

5-day weeklong bootcamp: \$900

2-day weekend bootcamp: \$500

Pre-registration signup at:

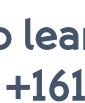
<https://chesscoding.ai/signup-form/>

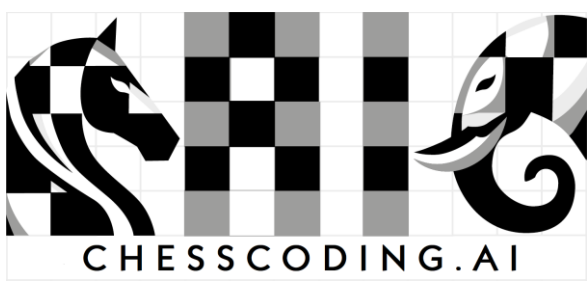
Book/Consult via cal.com/tamer-karatekin-chesscodingai

To learn more Call/SMS/WhatsApp/Email: +16174305047 tamer@chesscoding.ai



Co-funded by the Erasmus+ Programme of the European Union





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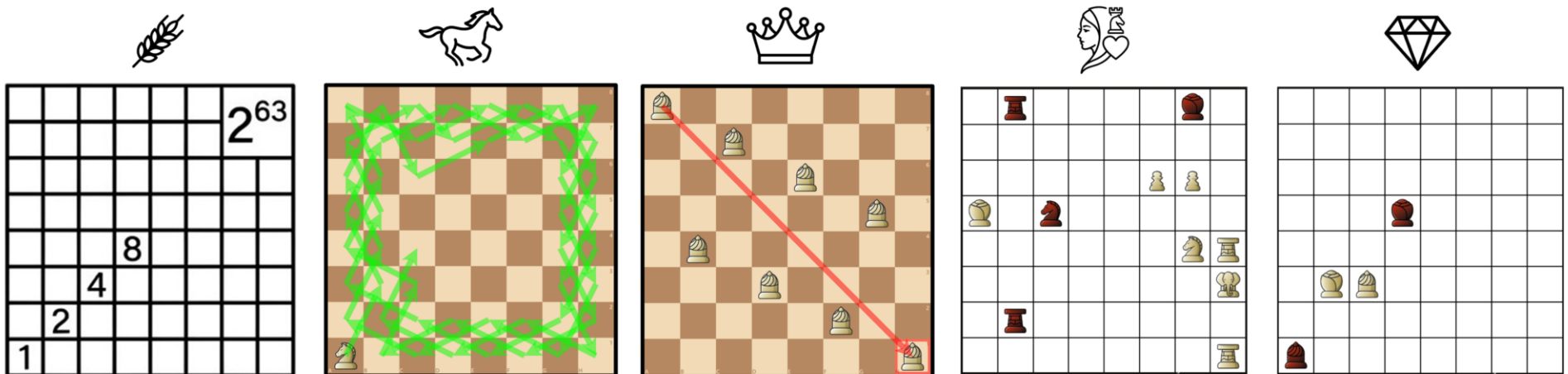
Award-winning AI curriculum for youth: [Shatranj.ai](https://shatranj.ai)

Based on European Union Erasmus+ Youth project, shatranj.ai
Learn artificial intelligence through history, chess, and code
Solve historical board games with AI
Grow from a gamer into an AI architect

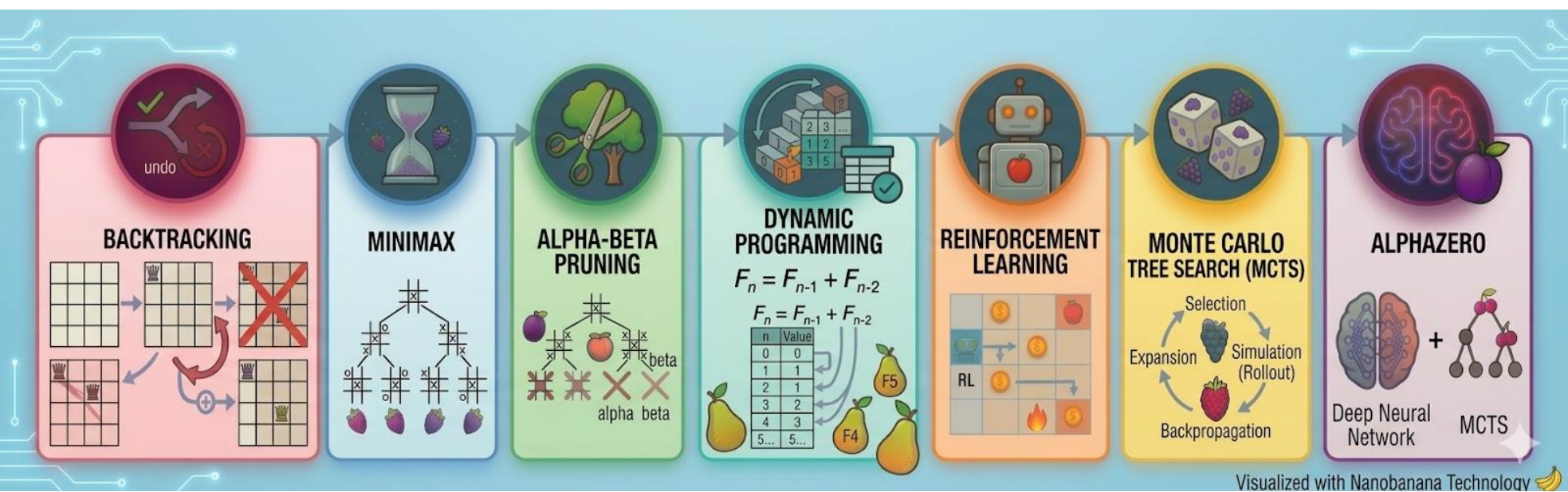
Weekly throughout
summer and fall
Pre-registration signup at:
<https://chesscoding.ai/signup-form/>

Solve ancient challenges of the chessboard

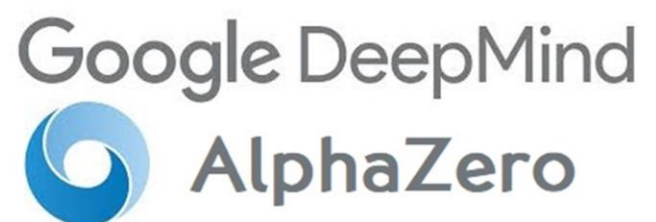
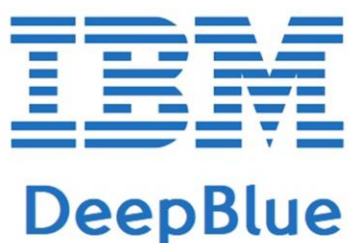
Wheat and the Chessboard, Horse Tour, Eight Queens, Dilaram Mate, Suli's Diamond



Study the historical progress of artificial intelligence algorithms



Start mastering artificial intelligence through the evolution of chess AI software



Bootcamp schedule

Day 1 — Python Fundamentals and Computational Thinking
Day 2 — Board Game Modeling and Chess & Shatranj Logic
Day 3 — Classical AI Search and Historic Chess Puzzles
Day 4 — Dynamic Programming and Reinforcement Learning
Day 5 — Monte Carlo, MCTS, and AlphaZero-Style AI

Book/Consult via
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