

Twitter Thread by Hasan Toor ☆



Hasan Toor ☆

@hasantoxr



Harvard University offers a ton of free online classes.

From Computer Science to Artificial Intelligence.

Here are 5 courses you don't want to miss:

1. Introduction to Computer Science

This is the best course to start with CS.

You'll learn about all the basic concepts and fundamentals of programming to start into tech field.

■ <https://t.co/cPTPFJbBPI>

CS50: Introduction to Computer Science

An introduction to the intellectual enterprises of computer science and the art of programming.

[LEARN MORE](#) on

January 1, 2019 – December 31, 2022

What you'll learn

- A broad and robust understanding of computer science and programming
- How to think algorithmically and solve programming problems efficiently
- Concepts like abstraction, algorithms, data structures, encapsulation, resource management, security, software engineering, and web development
- Familiarity with a number of languages, including C, Python, SQL, and JavaScript plus CSS and HTML
- How to engage with a vibrant community of like-minded learners from all levels of experience
- How to develop and present a final programming project to your peers

CS50x

DURATION	11 weeks long
TIME COMMITMENT	10 - 20 hours per week
PACE	Self-paced
SUBJECT	Programming
COURSE LANGUAGE	English
VIDEO TRANSCRIPT	English
DIFFICULTY	Introductory
CREDIT	Audit for Free Add a Verified Certificate for \$499

2. Introduction to Game Development

Learn about the development of 2D and 3D interactive games in this hands-on course.

This course will help you to explore the design of games such as Super Mario Bros., Pokémon, Angry Birds, and more.

■ <https://t.co/uSNS8u5hse>

The screenshot shows the Harvard University CS50G Introduction to Game Development course page. The header includes the Harvard University logo, a search bar, and a 'VIEW ALL COURSES' button. The main content area features the course title 'CS50's Introduction to Game Development' and a description: 'Learn about the development of 2D and 3D interactive games in this hands-on course, as you explore the design of games such as Super Mario Bros., Pokémon, Angry Birds, and more.' Below this is a 'LEARN MORE' button with an external link icon and the edX logo. A sidebar on the right lists course details: DURATION (12 weeks long), TIME COMMITMENT (6 - 9 hours per week), PACE (Self-paced), SUBJECT (Programming), COURSE LANGUAGE (English), VIDEO TRANSCRIPT (English), and DIFFICULTY (Intermediate). The bottom section, 'What you'll learn', lists topics: Principles of 2D and 3D graphics, animation, sound, and collision detection; Unity and LOVE 2D; Lua, C#; and Basics of game design and development. A 'LEARN MORE' button is also present at the bottom.

CS50G
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CS50's Introduction to Game Development

Learn about the development of 2D and 3D interactive games in this hands-on course, as you explore the design of games such as Super Mario Bros., Pokémon, Angry Birds, and more.

LEARN MORE on edX

June 30, 2018 – December 31, 2022 Free+ Online

What you'll learn

- Principles of 2D and 3D graphics, animation, sound, and collision detection
- Unity and LOVE 2D
- Lua, C#
- Basics of game design and development

LEARN MORE on edX

COURSE DETAILS

- DURATION**: 12 weeks long
- TIME COMMITMENT**: 6 - 9 hours per week
- PACE**: Self-paced
- SUBJECT**: Programming
- COURSE LANGUAGE**: English
- VIDEO TRANSCRIPT**: English
- DIFFICULTY**: Intermediate

3. Web Programming with Python and JavaScript

This course will help you to go deep into the design and programming concepts.

Learn about the implementation of web apps with Python, JavaScript, and SQL using frameworks like Django, React & Bootstrap.

■ <https://t.co/DemRj49O0l>

CS50's Web Programming with Python and JavaScript

This course picks up where CS50 leaves off, diving more deeply into the design and implementation of web apps with Python, JavaScript, and SQL using frameworks like Django, React, and Bootstrap.

LEARN MORE on edX

What you'll learn

- HTML, CSS
- Git
- Python
- Django
- SQL, Models, and Migrations
- JavaScript

Course Details:

- DURATION:** 12 weeks long
- TIME COMMITMENT:** 6 - 9 hours per week
- PACE:** Self-paced
- SUBJECT:** Programming
- DIFFICULTY:** Intermediate
- CREDIT:** Audit for Free, Add a Verified Certificate for \$199

4. Mobile App Development with React Native

Learn about mobile app development.

React Native, a popular framework maintained by Facebook that enables cross-platform native apps using JavaScript without Java or Swift.

■ <https://t.co/4stZkyqVjT>

CS50's Mobile App Development with React Native

Learn about mobile app development with React Native, a popular framework maintained by Facebook that enables cross-platform native apps using JavaScript without Java or Swift.

LEARN MORE on edX

What you'll learn

- JavaScript
- ES6
- React, JSX
- Components, Props, State, Style
- Components, Views, User Input
- Debugging

Course Details:

- DURATION:** 13 weeks long
- TIME COMMITMENT:** 6 - 9 hours per week
- PACE:** Self-paced
- SUBJECT:** Programming
- DIFFICULTY:** Intermediate
- CREDIT:** Audit for Free, Add a Verified Certificate for \$90

5. Introduction to Artificial Intelligence with Python

Learn to use machine learning in Python in this introductory course on artificial intelligence.

■ <https://t.co/uwoNh5YMXW>

The screenshot shows the Harvard University CS50A course page on the edX platform. The header includes the Harvard University logo and a search bar. The main title is "CS50A's Introduction to Artificial Intelligence with Python". Below the title, it says "Learn to use machine learning in Python in this introductory course on artificial intelligence." and a "LEARN MORE" button. To the right, there's a graphic with "CS50AI" repeated four times and a tic-tac-toe grid. Below the main title, it lists the course dates (April 1, 2020 - December 31, 2022), that it's free, and that it's online. The "What you'll learn" section lists topics like Graph search algorithms, Reinforcement learning, Machine learning, Artificial intelligence principles, How to design intelligent systems, and How to use AI in Python programs. A "LEARN MORE" button is also present. On the right, a sidebar lists course details: DURATION (7 weeks long), TIME COMMITMENT (10 - 30 hours per week), PACE (Self-paced), SUBJECT (Computer Science), COURSE LANGUAGE (English), VIDEO TRANSCRIPT (English), and DIFFICULTY (Introductory).

That's a wrap!

If you enjoyed this thread:

1. Follow me [@hasantoxr](#) for more of these
2. RT the tweet below to share this thread with your audience <https://t.co/8QpLdY0n9Z>

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— Hasan Toor \u272a (@hasantoxr) [November 1, 2022](#)