

## Twitter Thread by Hasan Toor ☆



**Hasan Toor** ☆

@hasantoxr



**Harvard University is offering free online courses.**

**No application or fee required.**

**Here are 10 FREE courses you don't want to miss:**

1. Introduction to Computer Science

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

Check here ■

<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. Web Programming with Python and JavaScript

This course takes you deeply into the design and implementation of web apps with Python, JavaScript, and SQL using frameworks like Django, React, and Bootstrap.

Check here ■

<https://t.co/DemRj49O0l>

The screenshot shows the Harvard University course page for CS50's Web Programming with Python and JavaScript. The header includes the Harvard University logo, a search bar, and a 'VIEW ALL COURSES' button. The main content area features the course title, a description, and a 'LEARN MORE' button. A sidebar on the right lists course details: Duration (12 weeks long), Time Commitment (6 - 9 hours per week), Pace (Self-paced), Subject (Programming), Difficulty (Intermediate), and Credit (Audit for Free, Add a Verified Certificate for \$199). Below the main content, there is a section titled 'What you'll learn' with a list of topics: HTML, CSS, Git, Python, Django, SQL, Models, and Migrations, and JavaScript. The page also includes a navigation bar with links for 'Archived', 'Closing Soon', 'Free', and 'Online'.

**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

**CS50W**  
**CS50W**  
**CS50W**  
**CS50W**

**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

**What you'll learn**

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

Archived Closing Soon Free Online

## 3. Introduction to Programming with Scratch

A gentle introduction to programming that prepares you for subsequent courses in coding.

Check here ■

<https://t.co/r0iwWNMIXD>

VIEW ALL COURSES

HARVARD  
UNIVERSITY

CS50's Introduction to Programming with Scratch

A gentle introduction to programming that prepares you for subsequent courses in coding.

LEARN MORE on edX

CS50S

CS50S

CS50S

CS50S

DURATION

3 weeks long

PACE

Self-paced

SUBJECT

Computer Science

COURSE LANGUAGE

English

VIDEO TRANSCRIPT

English

DIFFICULTY

Introductory

CREDIT

Audit for Free  
Add a Verified Certificate for \$200

May 1, 2021 – December 31, 2022

Free

Online

What you'll learn

- Functions
- Events
- Values
- Conditions
- Loops
- Variables

LEARN MORE on edX

#### 4. Introduction to Programming with Python

An introduction to programming using Python, a popular language for general-purpose programming, data science, web programming, and more.

Check here ■

<https://t.co/4JCHtRSXt6>

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Catalog Computer Science Courses HarvardX's Computer Science for Python Programming

CS50's Introduction to Programming with Python

An introduction to programming using Python, a popular language for general-purpose programming, data science, web programming, and more.

CS50P

CS50P

CS50P

CS50P

10 weeks

3-9 hours per week

Self-paced

Progress at your own speed

Free

Optional upgrade available

There is one session available:

320,481 already enrolled! After a course session ends, it will be [archived](#).

Starts Dec 1

Enroll

☐ I would like to receive email from HarvardX and learn about other offerings related to CS50's Introduction to Programming with Python.

About

What you'll learn

Instructors

## 5. Understanding Technology

This is CS50's introduction to technology for students who don't (yet!) consider themselves computer persons.

Check here ■

<https://t.co/wKHEqi72lv>

The screenshot shows the Harvard University CS50T course page. The header includes the Harvard University logo and a search bar. The main content area features the title "CS50's Understanding Technology" and a description: "This is CS50's introduction to technology for students who don't (yet!) consider themselves computer persons." 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 (6 weeks long), PACE (Self-paced), SUBJECT (Programming), COURSE LANGUAGE (English), VIDEO TRANSCRIPT (English), DIFFICULTY (Introductory), and CREDIT (Audit for Free, Add a Verified Certificate for \$100). The bottom section, "What you'll learn", lists topics: Internet, Multimedia, Security, Web Development, and Programming. A "Closing Soon" banner is visible above the "What you'll learn" section.

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Search

# CS50's Understanding Technology

This is CS50's introduction to technology for students who don't (yet!) consider themselves computer persons.

LEARN MORE on

Archived Closing Soon Free\* Online

## What you'll learn

- Internet
- Multimedia
- Security
- Web Development
- Programming

LEARN MORE on

DURATION	6 weeks long
PACE	Self-paced
SUBJECT	Programming
COURSE LANGUAGE	English
VIDEO TRANSCRIPT	English
DIFFICULTY	Introductory
CREDIT	Audit for Free Add a Verified Certificate for \$100

## 6. Introduction to Artificial Intelligence with Python

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

Check here ■

<https://t.co/uwoNh5YMXW>

**CS50's Introduction to Artificial Intelligence with Python**

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

[LEARN MORE](#) on

**CS50AI**  
**CS50AI**  
**CS50AI**  
**CS50AI**

DURATION	7 weeks long
TIME COMMITMENT	10 - 30 hours per week
PACE	Self-paced
SUBJECT	Computer Science
COURSE LANGUAGE	English
VIDEO TRANSCRIPT	English
DIFFICULTY	Introductory

**What you'll learn**

- Graph search algorithms
- Reinforcement learning
- Machine learning
- Artificial intelligence principles
- How to design intelligent systems
- How to use AI in Python programs


[LEARN MORE](#) on

## 7. 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.

Check here ■


<https://t.co/uSNS8u5hse>



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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

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CS50G

CS50G

CS50G

CS50G



📅

DURATION

12 weeks long

🕒

TIME COMMITMENT

6 - 9 hours per week

🏃

PACE

Self-paced

🎓

SUBJECT

Programming

💬

COURSE LANGUAGE

English

📺

VIDEO TRANSCRIPT

English

📶

DIFFICULTY

Intermediate

🏠

CREDIT

6-12 credit hours

📅

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

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## 8. CS50's Computer Science for Business Professionals

This is CS50's introduction to computer science for business professionals.

Check here ■

<https://t.co/dZWQG7yvwf>



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# CS50's Computer Science for Business Professionals

This is CS50's introduction to computer science for business professionals.

LEARN MORE

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Free\*

Online

## What you'll learn

- Computational thinking
- Programming languages
- Internet technologies

- Web Development
- Technology stacks
- Cloud computing

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on edX

CS50B

CS50B

CS50B

CS50B


DURATION	6 weeks long
PACE	Self-paced
SUBJECT	Programming
COURSE LANGUAGE	English
VIDEO TRANSCRIPT	English
DIFFICULTY	Introductory
CREDIT	Audit for Free Add a Verified Certificate for \$100

## 9. 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.

Check here ■


<https://t.co/4stZkylwbr>



VIEW ALL COURSES









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# 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 

 Archived
 
 Free\*
  Online

## What you'll learn

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

LEARN MORE  on 










CS50M

CS50M

CS50M

CS50M

 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
 PLATFORM	edX

## 10. Introduction to Data Science with Python

Join Harvard University instructor Pavlos Protopapas in this online course to learn how to use Python to harness and analyze data.

Check here ■

<https://t.co/L2EtWG8kob>



[VIEW ALL COURSES](#)**HARVARD**  
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# Introduction to Data Science with Python

Join Harvard University instructor Pavlos Protopapas in this online course to learn how to use Python to harness and analyze data.

[LEARN MORE](#)

on



October 26, 2022 – October 25, 2023

\$199

Online

## What you'll learn

- Gain hands-on experience and practice using Python to solve real data science challenges
- Practice Python coding for modeling, statistics, and storytelling
- Utilize popular libraries such as Pandas
- Run basic machine learning models using Python, evaluate how those models are performing, and apply those models to real-world problems
- Build a foundation for the use of Python in machine learning and artificial



DURATION	8 weeks long
TIME COMMITMENT	3 - 4 hours per week
PACE	Self-paced
SUBJECT	Computer Science
DIFFICULTY	Intermediate
CREDIT	Verified Certificate
TOPIC(S)	COMPUTER SCIENCE