

Diversity and Inclusion

Objectives

Following this lecture, learners will be able to

1. Define diversity and inclusion
2. Explain the benefits of diversity
3. Identify the difference between diversity and inclusion
4. Define computer science
5. Illustrate their understanding through the module activity

What is computer science?

Computer Science - the study of computers and computing, including their theoretical and algorithmic foundations, hardware and software, and their uses for processing information. (Britannica.com)

What is computer science?

Google what is computer science

Arizona Department of Education | Standards: Computer Science | Ar...

JWU College of Professional Studies - Jo...
BS Computer Science Degree: A Clos...

Open Access Government
Can studying mathematics and comp...

Computer Programming vs. Computer Science: Experts Explain the Difference

Rasmussen University
Computer Programming vs. Computer ...

Maryville Online - Maryville Univer...
What is Computer Science? Intr...

Code Energy
What is Computer Science?

Gwynedd Mercy University
Computer Science, Information Systems ...

Medium
Computer Programming ...

Shorelight
What Is Computer Science Like in the US ...

Related searches

- definition what is computer science
- coding what is computer science
- what is computer science course

MWCC PROGRAMS AT A GLANCE

ASSOCIATE DEGREE	OUTCOME	ACADEMIC FOCUS
Computer Science (CS)	↔	Computer Programming + Math
Computer Information Systems Transfer (CIT)	↔	Computer Programming + Business
Computer Information Systems (CIS)	↔	IT Support Courses

Mount Wachusett Community College
Computer Science Degrees ...

Thinkful
How Hard Is Computer ...

Bellarmine University
Computer Science Degree

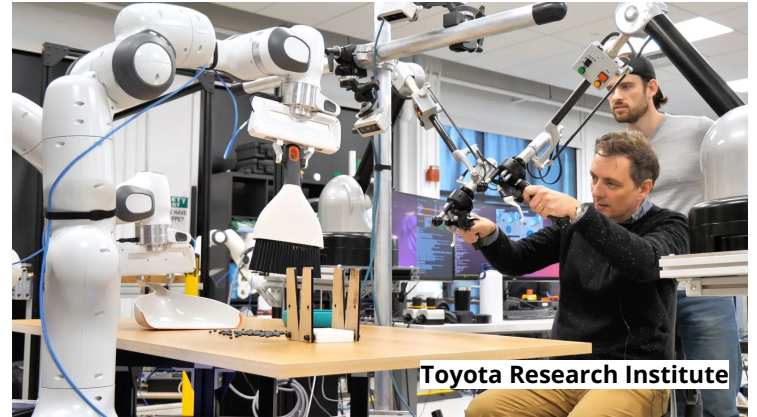
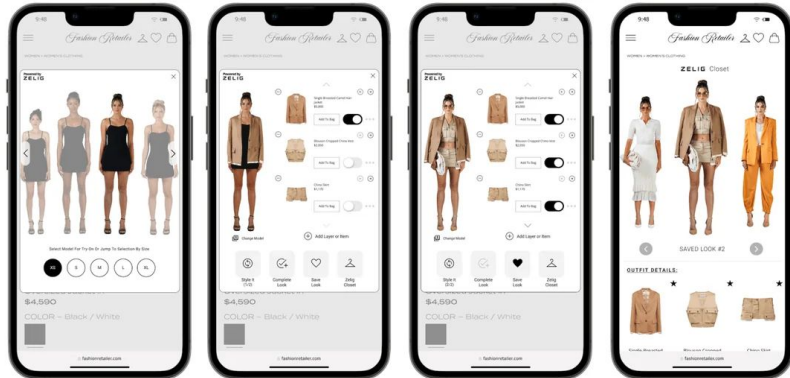
Peterson's
Majoring in Computer Science: Is It ...

SHOULD I MAJOR IN COMPUTER

What is computer science?

Computer Science			
Theoretical Computer Science	Applied Computer Science		
Deals with fundamental theoretical principles and design concepts	Deals with the practical implementation of the theoretical fundamental principles and design concepts of computer science		
THEORY	OPERATING SYSTEM	INTELLEAGENT SYSTEM	APPLICATION DEVELOPMENT
Algorithms	Operating Systems	Artificial Intelligence	C Language
Data Structures	Device Drivers	Pattern Recognition	Java
Discrete Mathematics , Statistics	System Utility	Data Mining	C++ , Objective C
Theory Of Computing	Compilers	Web Mining	MS Dot Net
Programing Theory OOP	Interpreters	Hybrid Intelligence System	Web Dev - HTML , CSS , JS
Digital Electronics	Computer Network	Speech Recognition	Python , Ruby
Boolean Algebra & Logic Gates	Anti Virus & Malwares	Robotics	DBMS , RDBMS

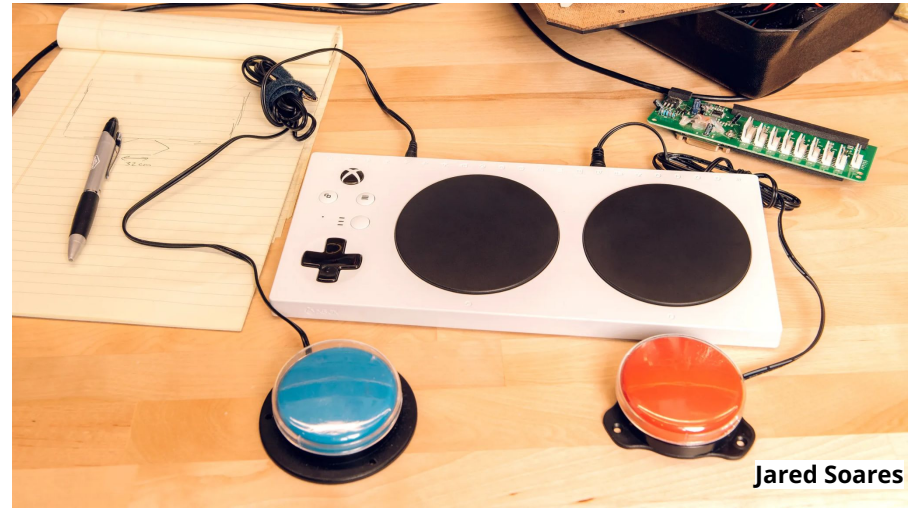
What is computer science?



Computer Science Can Be Interdisciplinary

Interdisciplinary - involving two or more academic, scientific, or artistic disciplines

For example, the XBOX team that developed these adaptive controllers relied on computer science, accessibility studies, and human-computer interaction



Computer Science Can Be Interdisciplinary

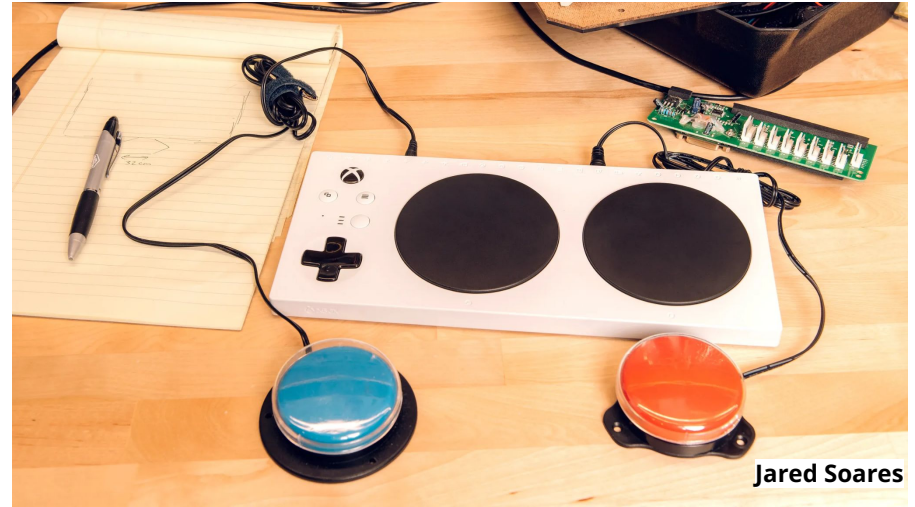


Jared Soares

Computer Science Can Be Interdisciplinary

What do you think.....

1. What is this on the screen?
2. Why did they create this device?
3. What would the developers need to know in order to create this?
4. Who would they need to talk to? Why?
5. Could developers create this without talking to them?



Computer Science Can Be Interdisciplinary

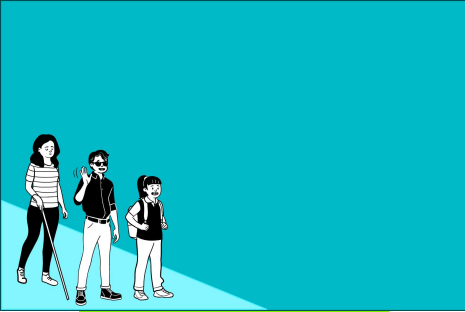
Inclusion - active, intentional, and ongoing engagement with diversity that cultivates an environment where any individual or group can feel welcomed, respected, supported, and valued (stonybrook.edu)

Diversity - The practice of including the many communities, identities, races, ethnicities, backgrounds, abilities, cultures, and beliefs of people, including underserved communities. (adapted from Hud.gov)

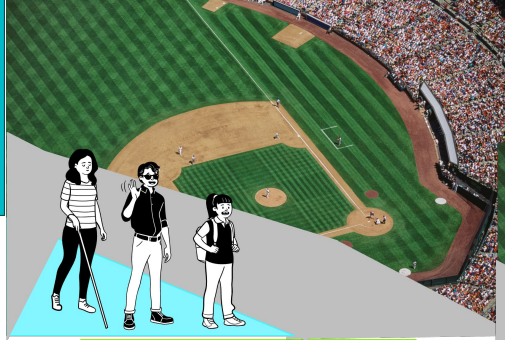
Equity - creation of a fair and unbiased environment



Diversity vs Inclusion vs Equity



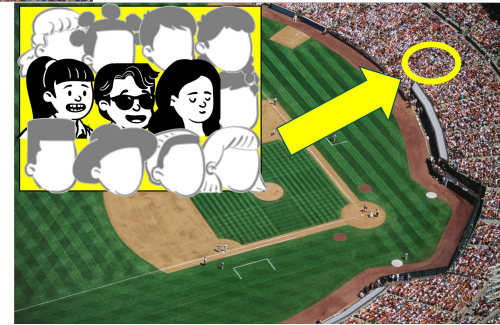
DIVERSITY



INCLUSION



EQUITY



Imagine...

Your team has been hired to create a new video game that Legoland visitors can play in part restaurant or while in attraction cues. The game must meet the following requirements:

- Have a child appropriate theme
- Reinforce the importance of sharing
- Open to all visitors that come to the park and engage in rides or attractions
- Have an interactive component within the park



visitorlando.com

Who would you need to hire on your team in order to make this work?

Activity Steps

1. Identify who you think would be playing the game
2. Determine what your team's game will be. You don't need all details just yet.
3. How will your game be inclusive?
4. How will your game teach children to share?
5. Who will you need to hire to help with this?
6. Why do you need those folks?
7. How might you ensure folks are hired without bias?
8. How might you create an environment that is safe for all employees?
- 9.

Step 1

Identify who you think goes to Legoland and would get on the rides and attractions

Step 2

Determine the overall goal of your team's game. For example, in some multiplayer restaurant themed games, the goal is to make as many dishes as possible within a specific amount of time. This reinforces teamwork, attention to detail, and speed in dexterity.

Step 3

Who will you need to hire to help with this? Why?

Step 5

How will your game teach children to share?

Step 6

How will your game be inclusive?

Step 7

How might you ensure folks are hired without bias?
How might you create an environment that is safe for all employees?