

Impact of Computer Science

In nearly any major company in any major field from banking to fashion, you'll find programmers, software engineers, app developers, and other types of computer scientists working on solutions for company and consumer problems.

Take a deeper look into how computer science solutions are already transforming various fields.

Instructions

1. Select one of the fields listed below.

1. Tourism
2. Marketing
3. Entertainment
4. Athletics
5. The Arts
6. Finance
7. Science & Medicine

2. Research online to identify a hardware or software solution that has been created specifically for that industry. For example, in the field of athletics:

- The [adidas miCoach SMART BALL \(Links to an external site.\)](#) (hardware) is a bluetooth enabled soccer ball with embedded sensors that measure speed, path, spin, and more.
- [HomeCourt \(Links to an external site.\)](#) is an iPhone app (software) that uses artificial intelligence to track a basketball player's shots and gives the player real-time feedback.

3. Once you've selected a solution, research the following information about the industry-specific hardware or software solution you selected.

- Name of the hardware or software solution
- Whether your solution is an example of hardware or software
- A description of what the hardware or software does
- A description of how computer science applies in the field you selected, using your solution as an example
- A picture or video of the solution

4. Create a computational artifact (presentation slide(s), video, infographic/poster, etc.) that displays the information listed above.

5. Post your artifact (or a link to your artifact) in the discussion below for your classmates to see. Then, check out the posts of others to learn more about how computer scientists are solving problems across many fields and industries!