Internet Research Project:

Computer Science Principles research topics:

The risks to privacy from collecting and storing personal information

Any activity that collects, stores, processes, generates, or utilizes information has a risk of being stolen or misused. Any online interaction in which you provide your data, there is a risk of that data being exploited for someone else's benefit and your harm.

Storing personal information can have major risks, and you need to be aware of who you are giving your information too. Hackers can steal your personal information, as we have seen through many social media breaks.

These risks can ruin people's lives, and security should be taken seriously. There are many ways to protect yourself from these risks. There are entire fields of work to protect your data, I will show you how this can happen.

How can computing resources be misused and how can it be protected?

Computing resources can be misused in many different ways. These can lead to you losing money, or even worse, your identity. Let's take a look at how this misuse can happen.

Misuse is any information that is used in a way that the user did not give specific permission for its use. This means that every time you enter information online, the risk increases. Credit card information, social security numbers, and your entire identity can be at risk of misuse. This is a scary thought, luckily there is a solution.

Cyber security services can help prevent websites from being hacked, and your information being misused. Not giving your data to unprotected websites also can help avoid this phenomenon. Any information you give out has a risk of being misused, so avoid giving unneeded information. Those are some ways you can protect your information.

How unauthorized access to information is gained?

Hackers use many different strategies to access information. Guessing passwords, exploiting weakness in code, and social engineering all can allow hackers to access your information.

Softwares can be made to guess and check thousands of passwords in minutes. This can allow hackers to quickly steal your information and harm you. Hackers can also find weaknesses in the code of websites which allow them to access all the data on that site. This can lead to massive data breaches, which can lead to millions of dollars stolen.

Social engineering is another strategy used by hackers. This is most common on phone scams, in which scammers target elderly and convince them to give them their info. This is a real problem and has left many poor with no money left. Keeping yourself safe online is of the utmost importance.

Research how computing innovation can be beneficial and harmful.
Also investigate how computing innovation can have impact beyond its
intended purposes

Computing innovations can be seen all over the online world today. Ai has become an extreme revolutionary innovation, and has both good and bad uses. Let's take a look at how it is both helpful and harmful.

AI can be used now to research, explore and test new chemical formulas, and even do repetitive tasks. This will revolutionize the working world and allow a better quality of life for all humans as we progress in our understanding of this new tool. AI easily is one of the best things to be created, or is it?

AI has also been used to steal social security numbers, create new formulas for deadly gas, and create bomb recipes. This too can be used for both good and bad, so it's important that we put restrictions on it. AI has both the power to build and destroy the world. A perfect example of how computing innovations can be helpful and harmful.

Download a template and alter to provide information on these topics.

Each topic must have:
1. Corresponding - appropriate graphics- two each topic
2. At least three full paragraphs each
3. Give examples of each topic

The template must have:

1. appropriate colors and fonts
2. All links should work appropriately
3. Well organized content
4. Well organized graphics.