


NAME: Snowtrixx

DATE: July 5, 2025 10:49 PM


DESCRIPTION OF TECHNOLOGY

Analyzing snowboard tricks by using a body suit with sensors



HUMAN VALUES

Collection of the trick result might cause a disclosure of the worst snowboarder's result, wich could lead to bullying or even getting kicked out of teamNL.




TRANSPARENCY

It will be documented in a project report.




IMPACT ON SOCIETY

TeamNL snowboarders want to improve their skills. The current situation is that they videotape their tricks and watch it back, this is not very accurate.




STAKEHOLDERS

- TeamNL
- Urban sports performance centre
- Snowboarders in general




SUSTAINABILITY

The end product is a mobile app, which means there are servers involved.




HATEFUL AND CRIMINAL ACTORS

We are going to use personal data, we can not share personal data outside the project.




DATA

We are only training on data received from teamNL, this could lead to the AI only recognizing the way that teamNL performs their tricks. TeamNL only has 4 snowboarders in their team, this is not a lot.




FUTURE

This could possibly lead to an enhanced performance of TeamNL in the next olympics. This could lead to other nations changing their way of training athletes.




PRIVACY

Yes, we are using the data of the person that is performing the trick. The app registers the physical body parameters to compare to the 'perfect' trick and to previous results.



INCLUSIVITY

We are only training on data received from teamNL, this could lead to the AI only recognizing the way that teamNL performs their tricks.




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HUMAN VALUES

How is the identity of the (intended) users affected by the technology?

To help you answer this question think about sub questions like:

- If two friends use your product, how could it enhance or detract from their relationship?
- Does your product create new ways for people to interact?...

TRANSPARENCY

Is it explained to the users/stakeholders how the technology works and how the business model works?

- Is it easy for users to find out how the technology works?
- Can a user understand or find out why your technology behaves in a certain way?
- Are the goals explained?
- Is the idea of the technology explained?
- Is the technology company transparent about the way their...

IMPACT ON SOCIETY

What is exactly the problem? Is it really a problem? Are you sure?

Can you exactly define what the challenge is? What problem (what 'pain') does this technology want to solve? Can you make a clear definition of the problem? What 'pain' does this technology want to ease? Whose pain? Is it really a problem? For who? Will solving the problem make the world better? Are you sure? The problem definition will help you to determine...

STAKEHOLDERS

Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by...

When thinking about the stakeholders, the most obvious one are of course the intended users, so start there. Next, list the stakeholders that are directly affected. Listing the users and directly affected stakeholders also gives an impression of the intended context of the technology.
...

SUSTAINABILITY

In what way is the direct and indirect energy use of this technology taken into account?

One of the most prominent impacts on sustainability is energy efficiency. Consider what service you want this technology to provide and how this could be achieved with a minimal use of energy. Are improvements possible?

HATEFUL AND CRIMINAL ACTORS

In which way can the technology be used to break the law or avoid the consequences of breaking the law?

Can you imagine ways that the technology can or will be used to break the law? Think about invading someone's privacy. Spying. Hurting people. Harassment. Steal things. Fraud/identity theft and so on. Or will people use the technology to avoid facing the consequences of breaking the law (using trackers to evade speed radars or using bitcoins to launder...

DATA

Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into...

There are fundamental issues with data. For example:

- Data is always subjective;
- Data collections are never complete;
- Correlation and causation are tricky concepts;
- Data collections are often biased;...

FUTURE

What could possibly happen with this technology in the future?

Discuss this quickly and note your first thoughts here. Think about what happens when 100 million people use your product. How could communities, habits and norms change?

PRIVACY

Does the technology register personal data? If yes, what personal data?

If this technology registers personal data you have to be aware of privacy legislation and the concept of privacy. Think hard about this question. Remember: personal data can be interpreted in a broad way. Maybe this technology does not collect personal data, but can be used to assemble personal data. If the technology collects special personal data (like...

INCLUSIVITY

Does this technology have a built-in bias?

Do a brainstorm. Can you find a built-in bias in this technology? Maybe because of the way the data was collected, either by personal bias, historical bias, political bias or a lack of diversity in the people responsible for the design of the technology? How do you know this is not the case? Be critical. Be aware of your own biases....

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