

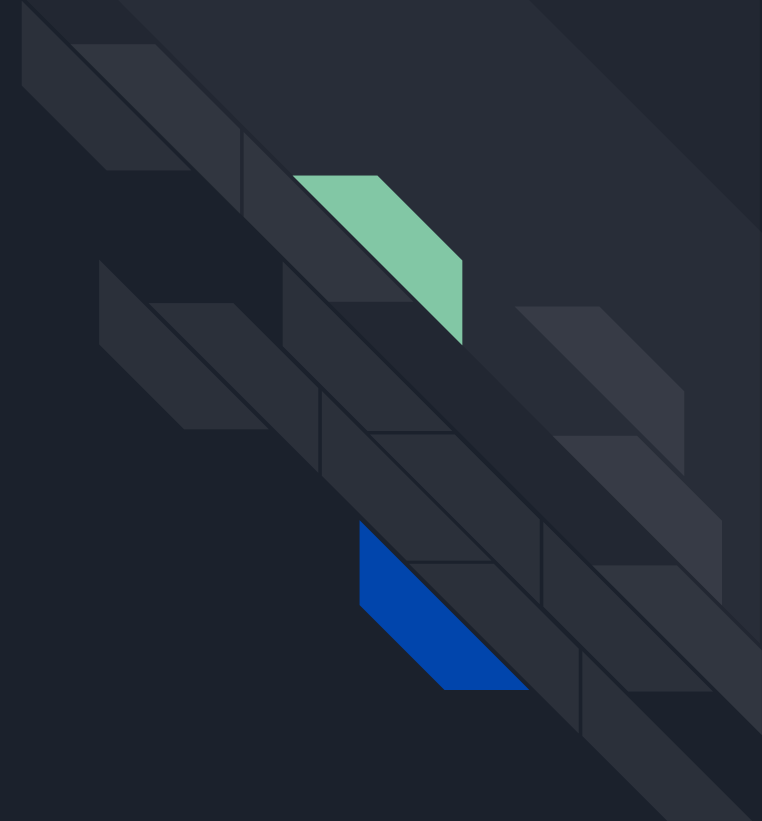
The background is a dark navy blue. On the left, there is a large, semi-transparent circular graphic that resembles a magnifying glass or a lens, focusing on a detailed image of a printed circuit board (PCB) with various electronic components. Overlaid on the top left of this circular graphic are two overlapping triangles: a blue one in the foreground and a light green one behind it. In the top right corner, there is a faint, high-contrast image of a circuit board's traces, creating a sense of depth and technological complexity.

Skin Cancer Detection

Nicolas Pierce

Preview:

- Purpose
- Background information
- Data
- Results
- Conclusion



Purpose

- Make the detection of skin cancer easy and accessible
- Provide insight to the average person at home
- Raise awareness to the risk of skin cancer



Skin Cancer

- Early detection
- Those afflicted
- Causes

SIGNS OF SKIN CANCER

The Dermatologist's Essential Guide

The 'Ugly Duckling' Sign

A lesion looking a bit different from the other moles and marks on your skin



"ABCDE"



Asymmetry



Border



Colour



Diameter



Evolution

Any new mole or lesion

If you are older than 35, pay extra attention to any new mole-looking lesions.



Any other lesion transformation

Be aware of any lesion, not just moles, that increases in size, becomes raised from the skin, itches or bleeds.



Darkening of a larger skin area

If a larger patch of your skin is changing colour or darkening - get it checked.

Don't forget to check areas such as your palms and feet.






Data

-[International Skin Imaging Collaboration \(ISIC\)](#)

--[Skin Cancer Foundation](#)





Results

- We found about 80% accuracy
- Some lesions were hard to detect



Benign



Precancerous

Conclusion

- Skin cancer can be hard to detect
- 80% accuracy
- Some lesions are precancerous





Questions?

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