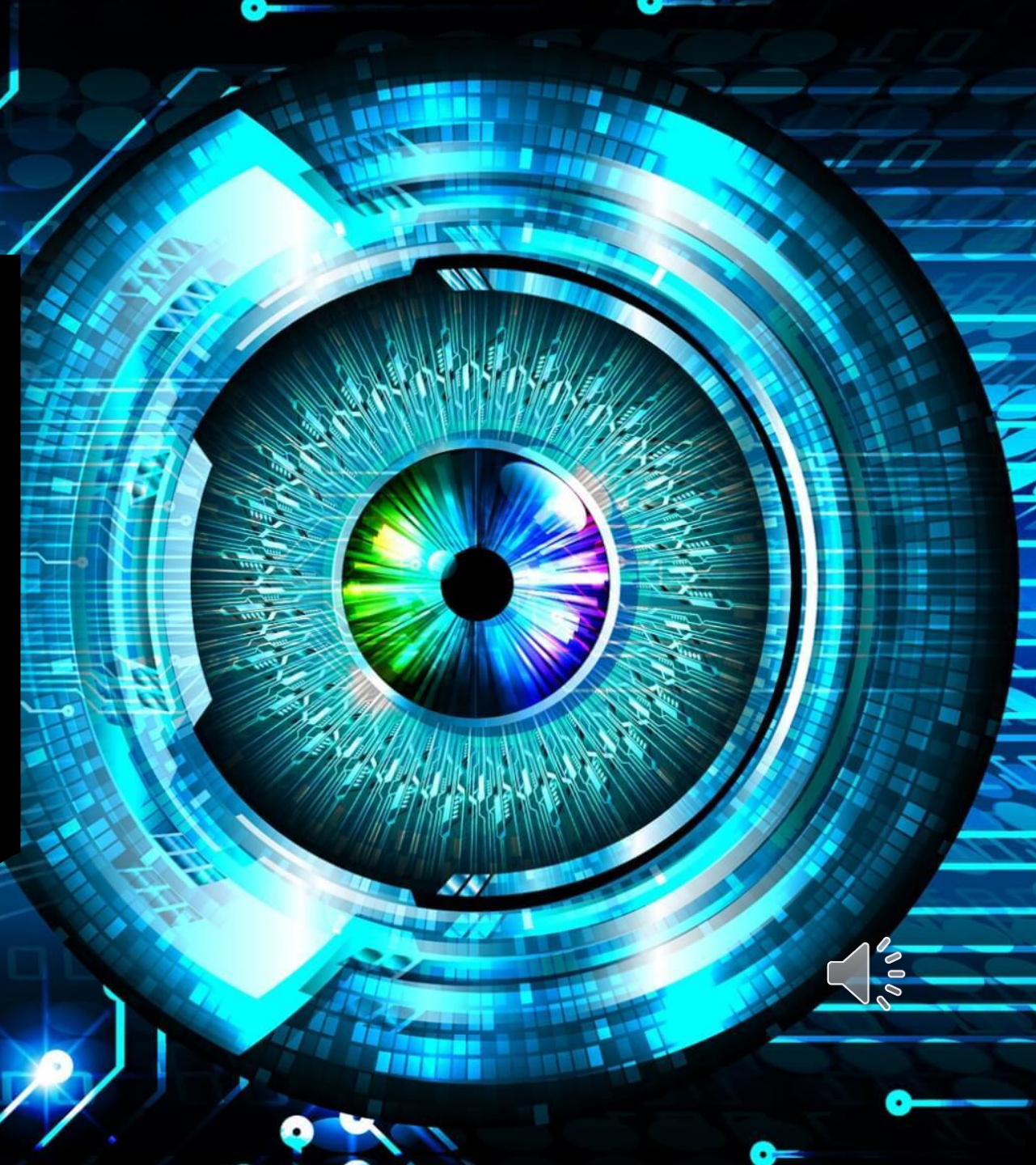


# Intro to Computer Vision -Historical Timeline of Computer Vision

## OPTIC MINDS

- Andrew Badzioch
- Kolby Boyd
- Florentin Degbo
- Natalia Solozano
- Jeralynn Sparks





# INTRODUCTION

## Impact of 9/11 on American Life and Technology

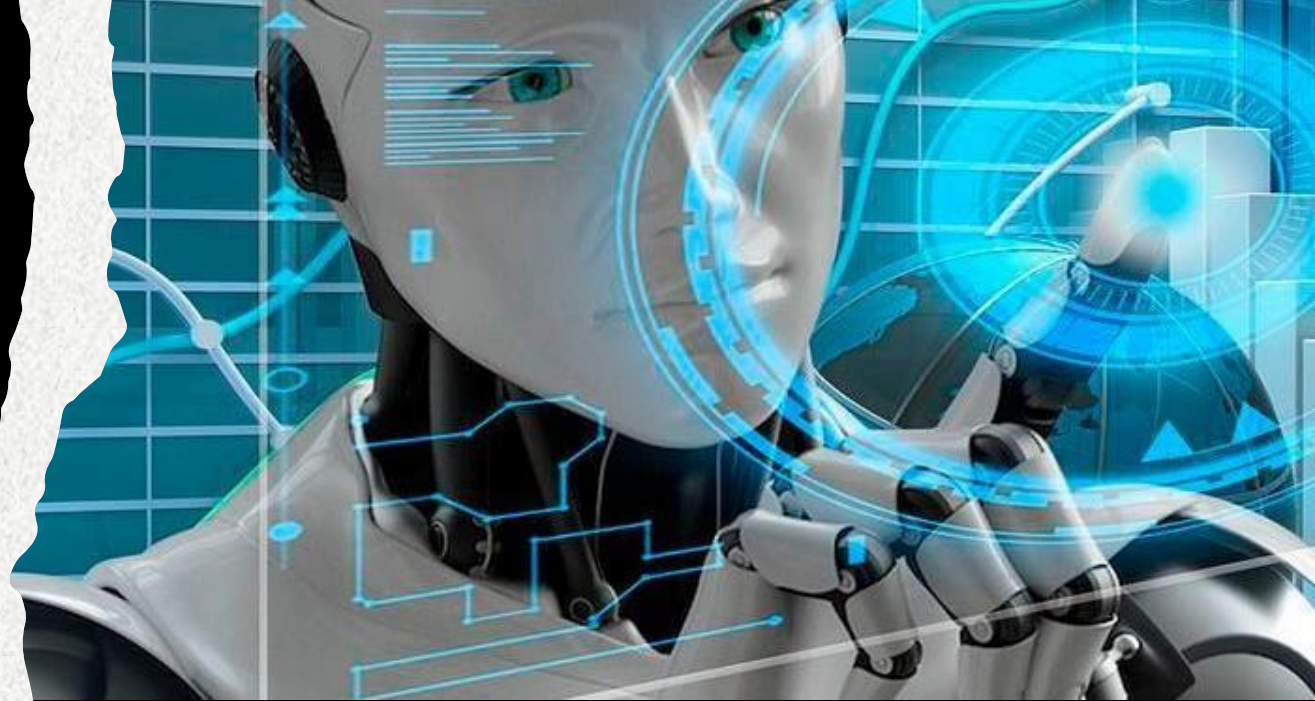
- The terrorist attack on 9/11 brought significant changes to American life.
- Technology emerged as a key motivator for improving security measures to prevent future attacks.



# Technology as a Defense Strategy

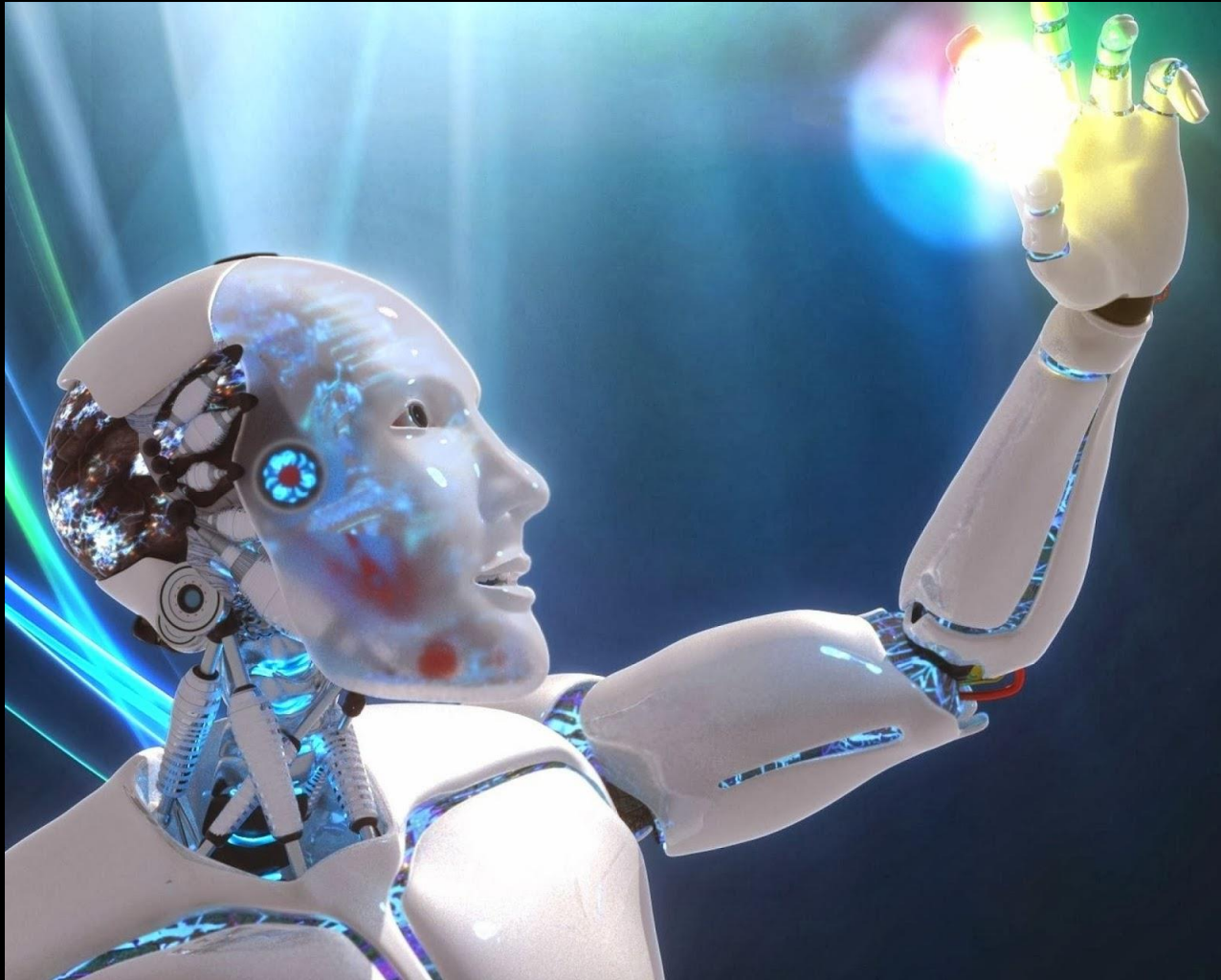
## Evolution of Defense Strategies

- Technology played a crucial role in the aftermath of 9/11.
- Computers became a significant part of defense strategies to enhance surveillance and security.





# Advancements in Computer Vision



## Enhanced Computer Vision

- Improvements in the way computers see and perform.
- Higher-resolution surveillance cameras were introduced as a milestone.
- Development of facial recognition software for security reasons.
- Integration of Machine Learning (ML) to detect objects and their capabilities.



# Impact on Airport Security

## Transforming Airport Security

- Meaningful change in airport security post-9/11.
- Implementation of facial recognition for improved identification and security screening.



# Andrew Ng's Contribution



## Andrew Ng's Influence

- Andrew Ng, a computer scientist, impacted the development of facial recognition and ML.
- Ng's work crucial in improving computer recognition and threat detection.
- Intelligent surveillance with ML introduced in high-security areas.







# Intelligent Surveillance

## Advancements in Surveillance

- Intelligent surveillance analyzes data from cameras and sensors.
- Integration of IoT devices and advanced algorithms.
- Applications include object detection and facial recognition for enhanced security.



# Data Processing for Security

## Enhanced Data Processing

- Data processed using anomaly detection, behavioral analysis, and predictive analytics.
- Detection of potential security threats triggers automated alerts.







# George Orwell's Influence

## Orwell's Impact on Surveillance

- George Orwell, a pioneer in surveillance exploration.
- His ideas influenced improvements in surveillance cameras, resulting in higher resolution.
- Discussion on privacy implications of enhanced surveillance.



# Joseph Atick's Contribution

## Joseph Atick's Legacy

- Joseph Atick, founder of Visionics in the '90s.
- Focus on developing early facial recognition technology.
- Company's foundation in using computers for security, including face identification.





# CONCLUSION



## Continued Impact



The impact of 9/11 on technology continues to shape security measures.



Ongoing advancements in surveillance and facial recognition contribute to improved security.



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**THANK  
YOU**