

Future-Proofing Fintech: The Infinite of AI-Enhanced Security

Exploring AI's Potential in Payment Security



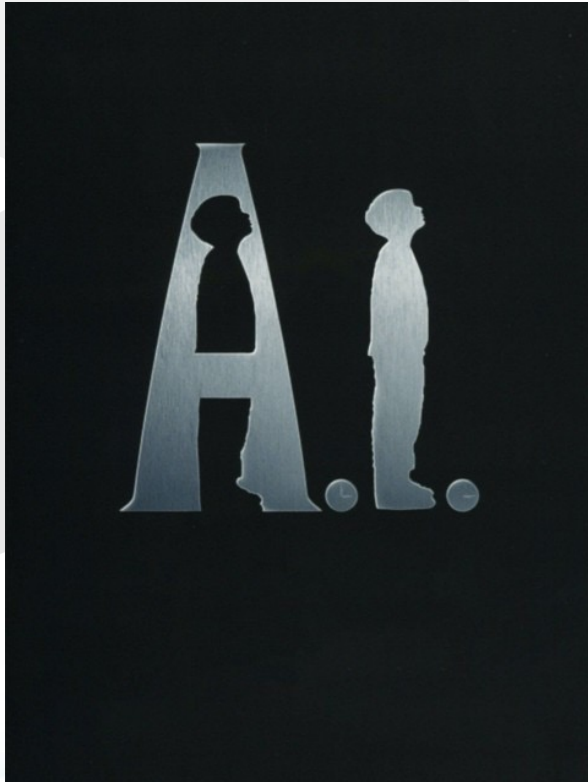
Nicholas Lim

Chief Technology Officer
Soft Space



What come to your minds

When you hear AI?



A.I. THE MOVIE

Robot kid with emotions
and feelings



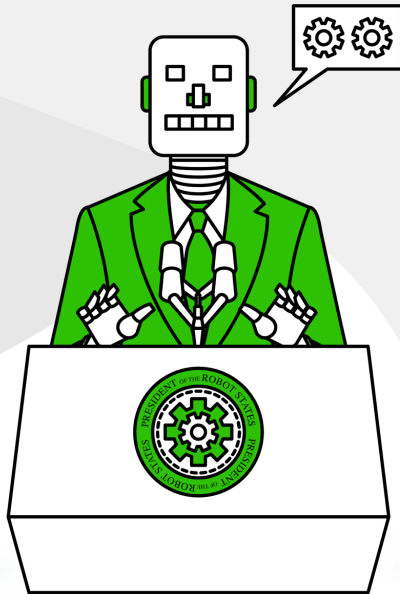
CHATGPT

Our new chattier friend

Perception of AI

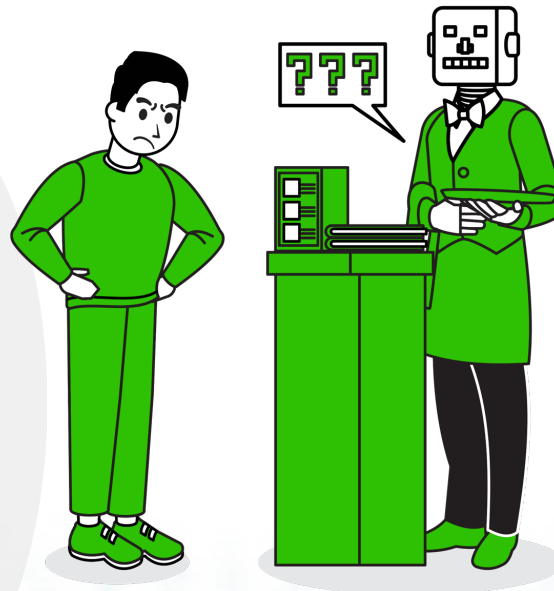
SCIENCE FICTION

AI turned rouge and taken our world!



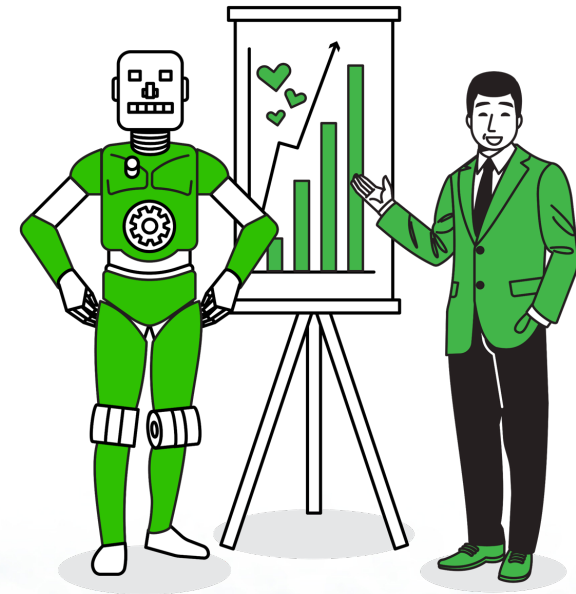
MEDIA NEWS

Often highlight AI stealing our jobs



INFLUENTIAL LEADERS

AI narratives based on business interests



History of AI

1956

DARTMOUTH CONFERENCE

AI research officially
born

1997

IBM DEEP BLUE

defeats Garry Kasparov

2011

IBM WATSON

wins Jeopardy!

2022

GPT-3

introduce by OpenAI

2016

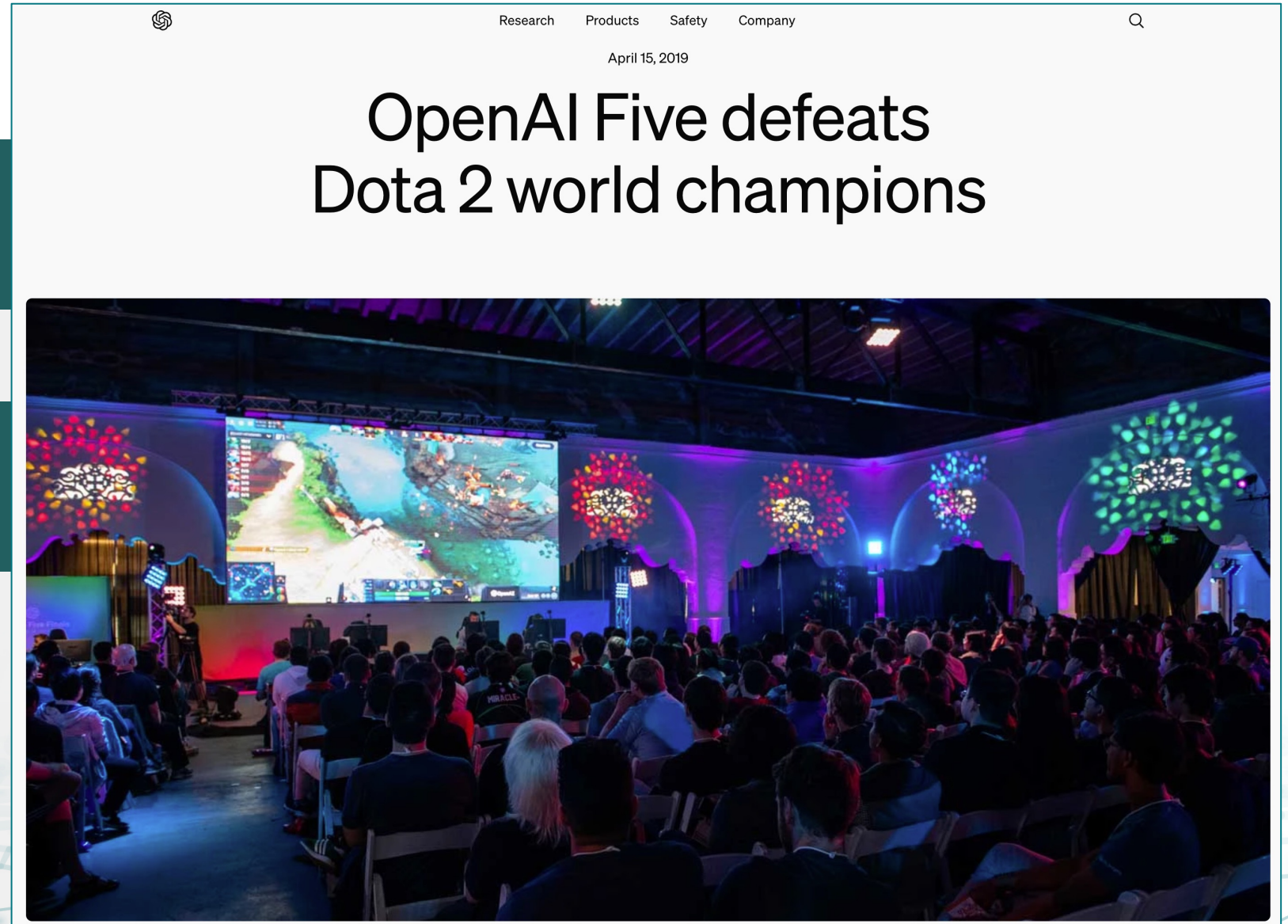
GOOGLE'S DEEPMIND ALPHAGO

beat Lee Sedol

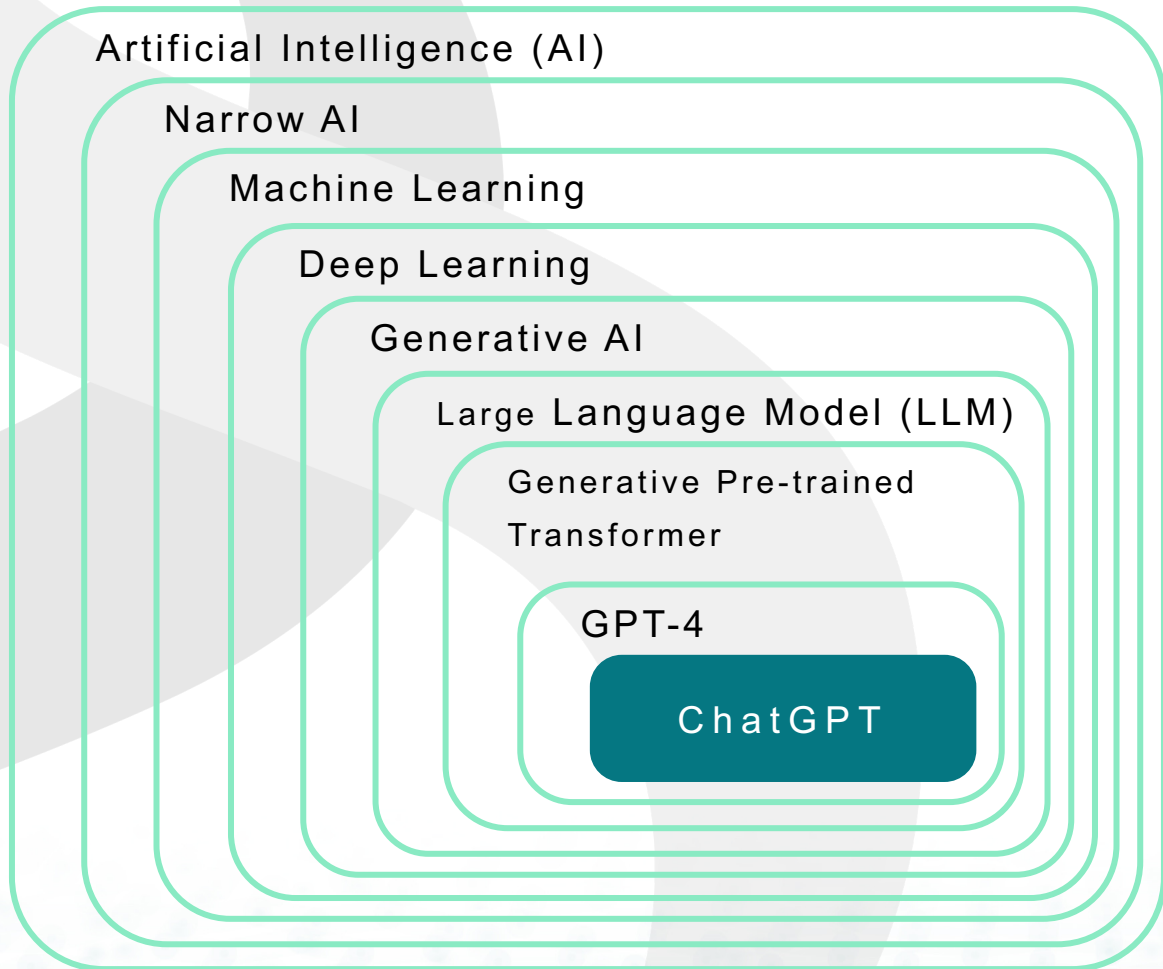
A Different View on AI Event

Assist in Achieving Competent Performance

True Human-AI Cooperation



AI Simplified



MASSIVE
Amounts of Relevant
Data



ONE FOCUSED
Neural Domain



DISTINCTIVE
Outcomes

AI in Payments

According to Nilson Report, payment card fraud losses worldwide exceeded

\$32
billion

in 2021

Projected to lose worldwide accumulated

\$397
billion

over the next 10 years



CARD TRANSACTIONS

Hundred of Millions of card payment transactions, of which fraudulent transactions characteristic are available



SECURITY DOMAIN

Focuses on identification and mitigation of fraudulent transactions



FRAUD / NON-FRAUD

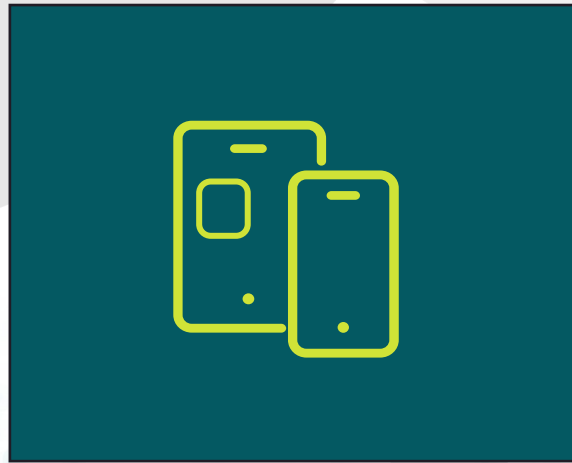
Can be flag clearly for the necessary follow-up actions

SoftPOS and PCI MPoC

Mobile Payments on COTS

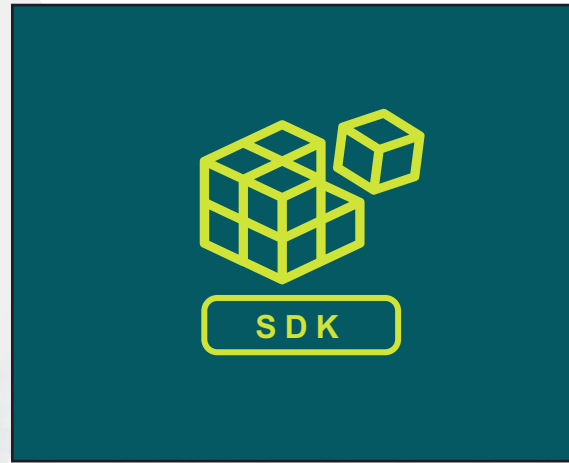
MPOC APPLICATION

Mobile Application on COTS devices accept card payments



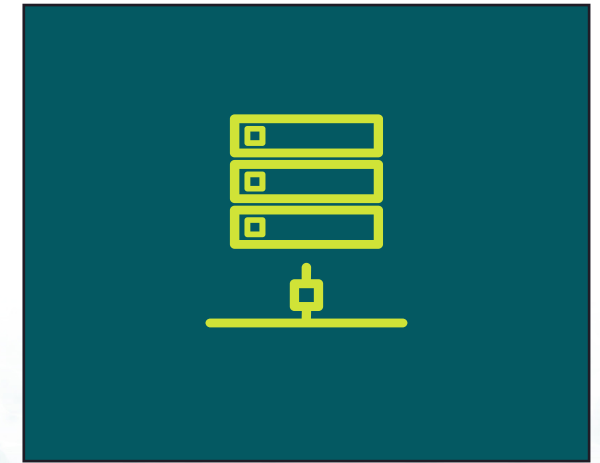
MPOC SDK

Software Library allow integration from MPoC App



MPOC A&M BACKEND

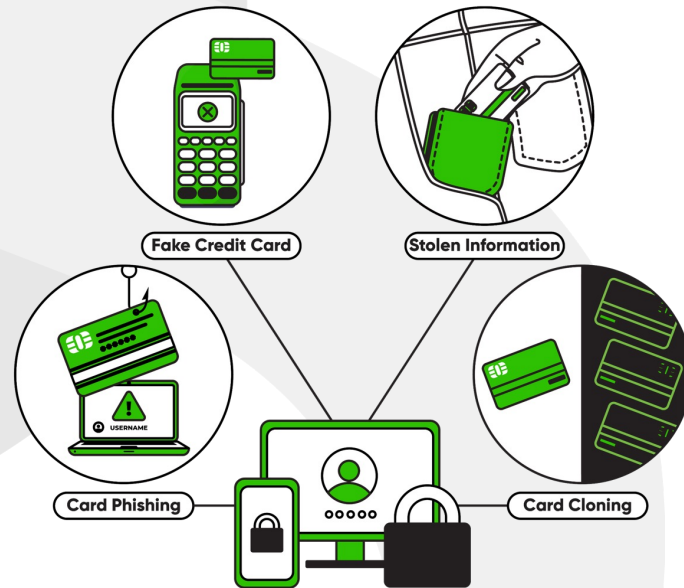
Backend that continuously verifies the security posture



Where AI Can Truly Shine

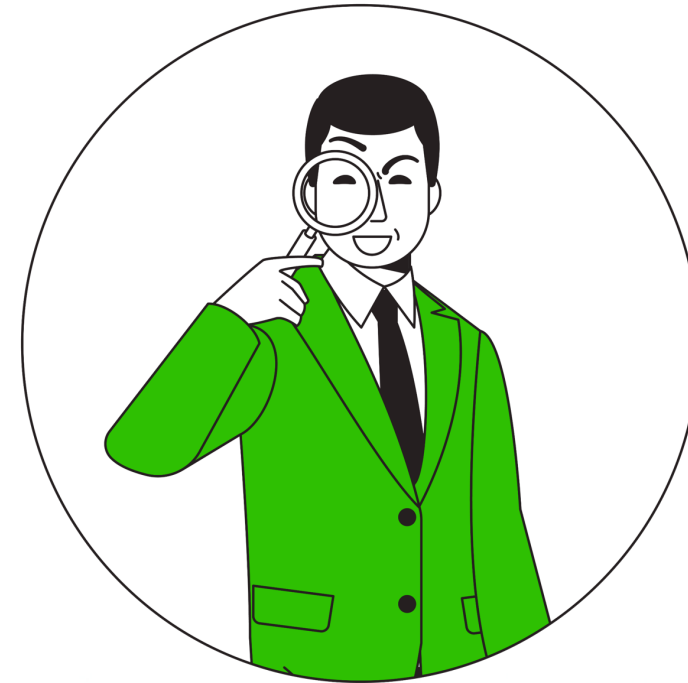
The Traditional Approach

Reactive, Rule-based Detection



FORGER

Attempt of card payment fraud
using new methods



DETECTOR

Reactive to new method by
additional rule-based inclusion

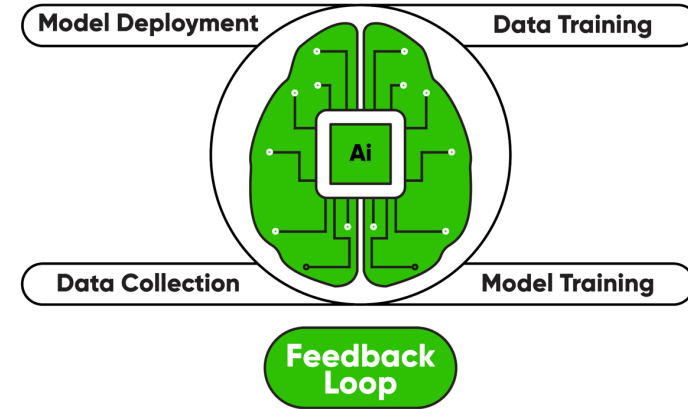
Learning and Adapting AI

Proactive, Around the Clock Prevention



FORGER

Attempt of card payment fraud using new methods



DETECTOR

AI driven detector to adjust for new form of attack, real-time

Path Forward

The Future is Now

LET'S DISCUSS FURTHER!

Learn what the de facto PCI MPoC Standard means for the SoftPOS industry and its implications for banks and acquirers

Discuss how AI would be a game changer to the attestation of components of SoftPOS





Thank you