Impacts of AI and Bank Fraud

Steven Atnip
Kareem Meleika

Verizon

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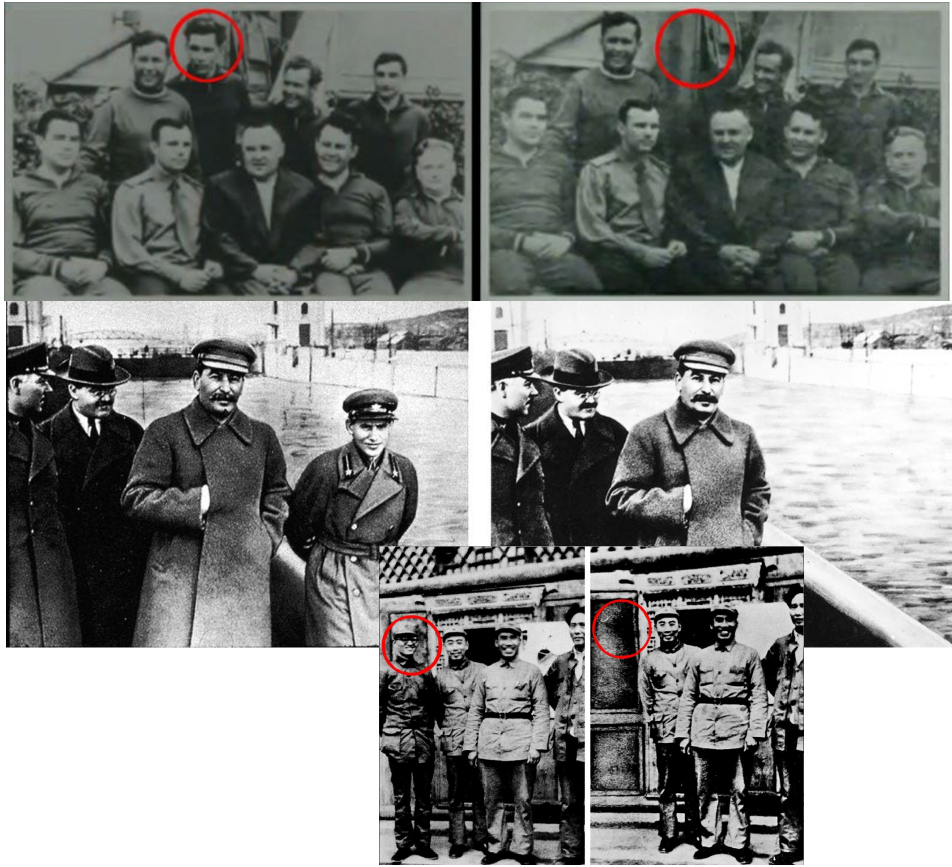
Editing Reality is Old

Goal of AI is to make it

- Cheaper
- Faster
- Pass Scrutiny
  - Human Scrutiny
  - AI-supported Scrutiny



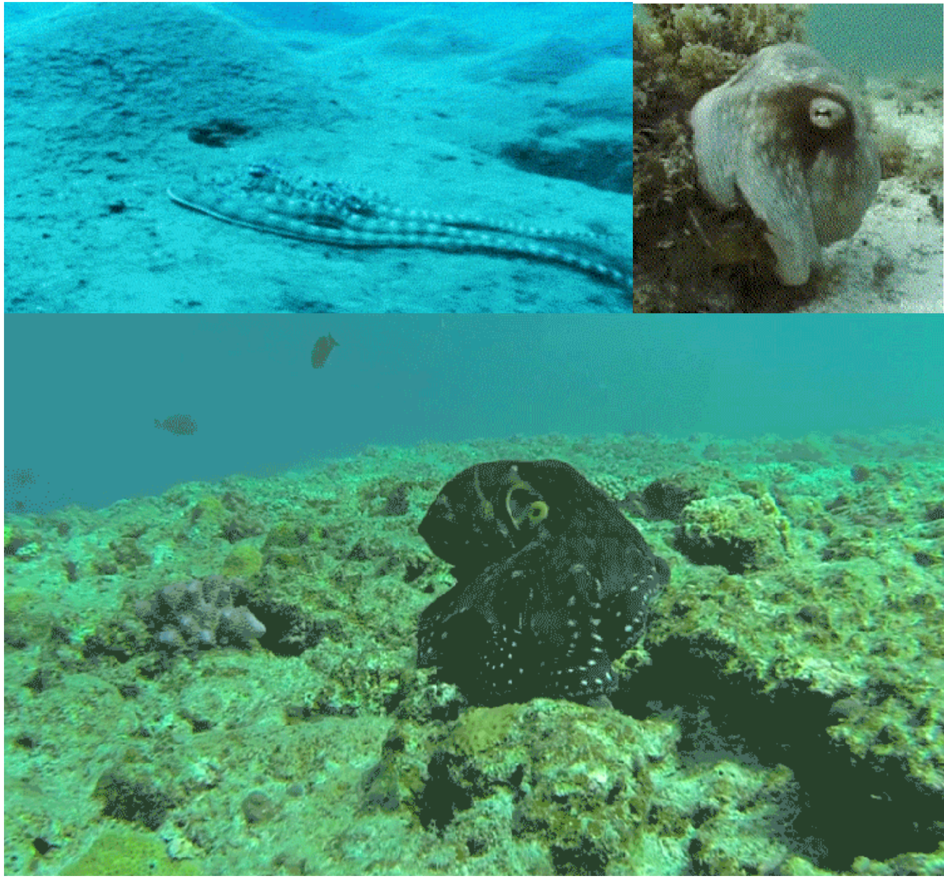
Camouflage in Biometrics

Only has to be "good enough" for fraudsters

Biometrics for voice

- Device fingerprinting
- Going to need further markers
- These will be replicated by fraudsters

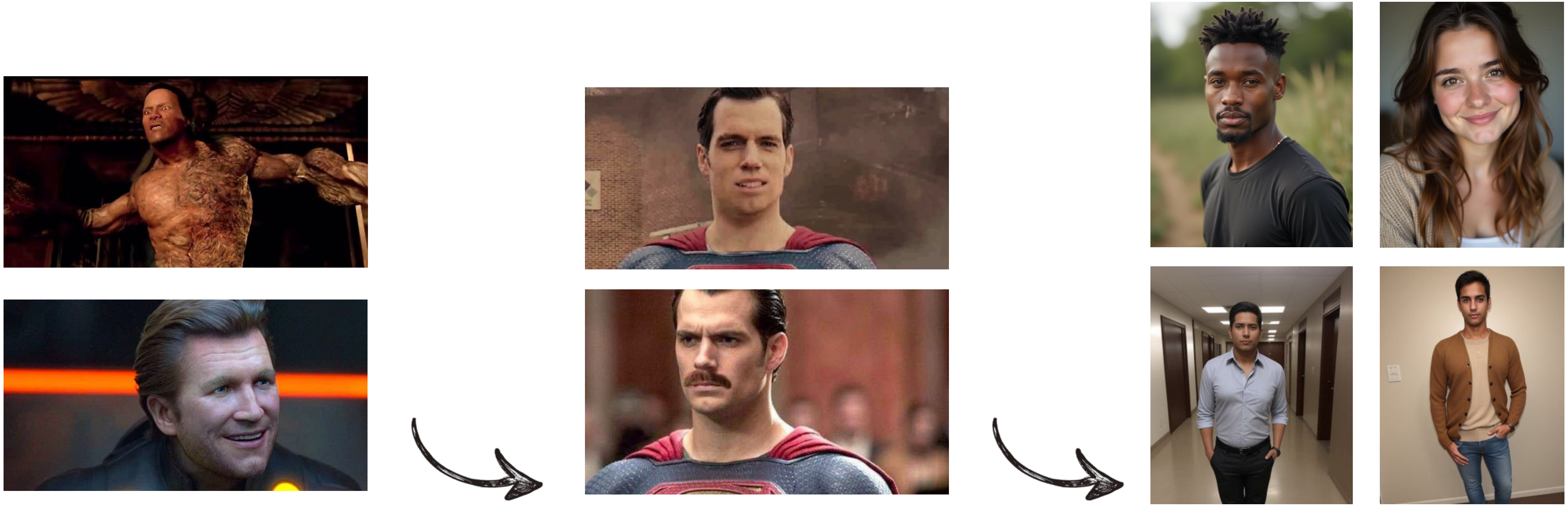
Continuous cycle of defense improvement

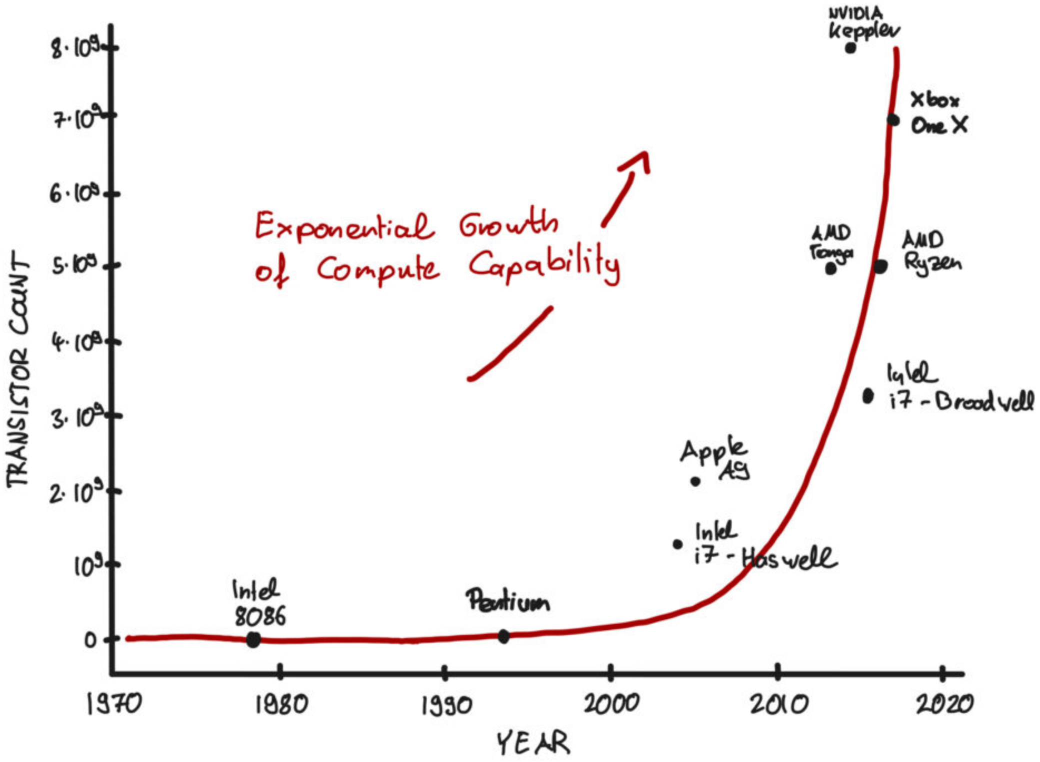


Uncanny Valley

Hold this in your head for a minute

Time, money, feedback, processing, software refinement




Exponential Growth
of Compute Capability
TRANSISTOR COUNT
8·10^9
7·10^9
6·10^9
5·10^9
4·10^9
3·10^9
2·10^9
10^9
0
YEAR
1970
1980
1990
2000
2010
2020
Intel 8086
Pentium
Intel i7 - Haswell
Apple A9
Intel i7 - Broadwell
AMD Tonga
AMD Ryzen
Xbox One X
NVIDIA Keppler

Where are we now

Model- T made

Gas stations built

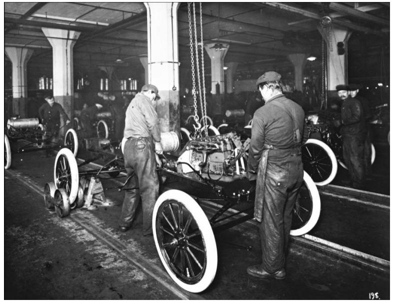
Service shops pop up across geographic areas

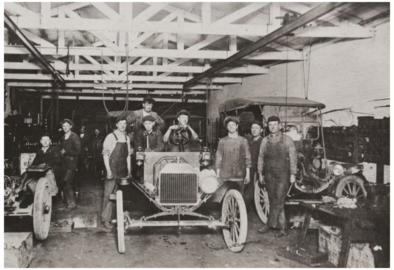
Chips made

Software applied

Trial and error of application

(Think NVDA > PLTR > X?)





Fraud an AI – Snapshot of the Moment

AI has been used in fringe cases, but isn't being recorded in campaigns yet

- **E.g. De Stefano prank call (kidnapping/ransom)**
- **Fake advertisements**

We appear to be in the Uncanny Valley for voice, biometrics, video

- **Pictures – AI has most improved in this area**

Q&A