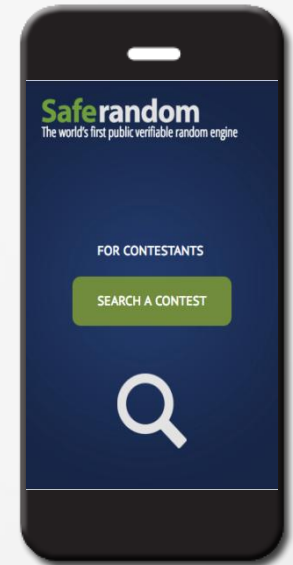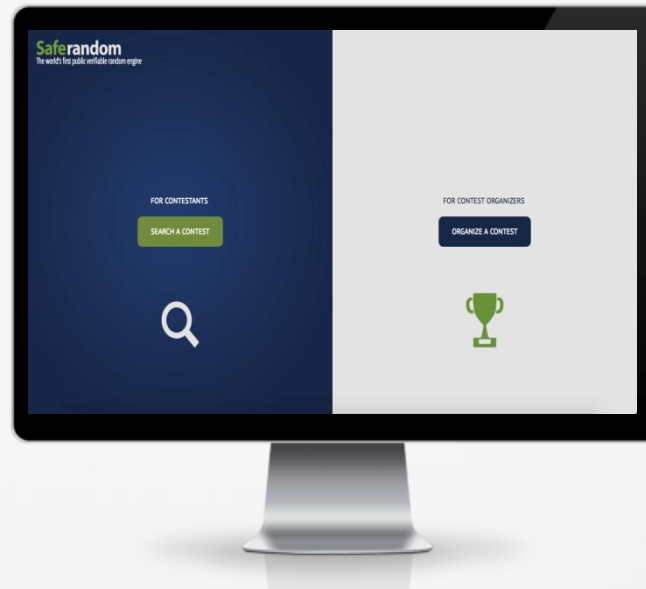# Saferandom

VERIFIABLE RANDOM GENERATOR
FROM OPEN DATA

It's a matter of Trust

*Have you ever been skeptical about the **transparency** and **fairness** on Draws, Raffles and Lotteries?*

here we are ...

*We use **Big and Open Data** to guarantee a secure and verifiable outcome!*

Sources of randomness

	Verifiable	Frequency	Supported NOW
Stock Market	🟢	🔴	🟢
Bitcoin	🟢	🟢	🟢
Other crypto-currencies	🟢	🟢	🟢
Flight Landings	🟢	🟢	
Weather Conditions	🔴	🟢	🟢
GDP, Unemployment Rates	🟢	🔴	
Others (Forex, Public Lists {Nobel, Oscars}, Sports outcomes, Blog / News / Social posts, TV/Radio broadcast)	⚫	⚫	

4 verticals

Applications for companies, organizations, governments, institutions, individuals

Marketing Campaigns
User Acquisition
Loyalty Bonus

Gamification
Motivate employees

Tax Avoidance?
Receipt-based Raffles

Micro-Earnings
Alternative method

Algorithm

0000000000000000001748a2a47079cb4e785df78ecb600c6a92e73965f24ba

Sources of high-entropy
How difficult is to predict (then alter) the outcome?
3 factors: *Size, Time, Ownership*

SHA256 hashing algorithm + dynamic difficulty
MIN (ABS (Hash(source) – Hash(token)))

Realtime Automation
We have tested it:
Distributed a) web scrapping   b) api calls   c) raffle engine

Technology Used

Frontend
HTML5, ANGULAR2, responsive

Backend Server
NodeJS

Backend Services
Java 8SE, Guava Structures, BitcoinJ, Multi-threading

APIs (used now)
Bitcoin, Apixu (open weather api), Barchart (S&P 500)

Monetization

How to make money?

Commission Based

Per Entry
Per Contest
Per Revenue

Flat Rate

Unlimited Plans
Protocol
Watermark
Time-Based
API limitations

Extra Tools

Gamification Tools
Bridging Services
On Demand
Services/Support

UI/UX

Frontend
Apps
Designs