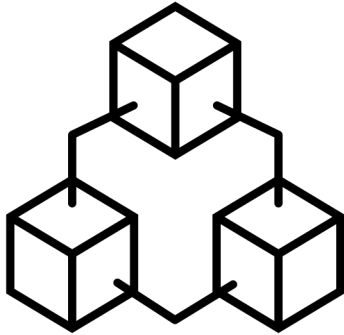


The Algorand Foundation logo is displayed within a white, rounded rectangular frame. It features the word "Algorand" in a large, white, sans-serif font, with a stylized "A" icon to its left. Below "Algorand" is the word "FOUNDATION" in a smaller, white, all-caps sans-serif font. The background of the entire image is a dark blue field with a complex network of glowing lines in shades of blue and red, creating a sense of digital connectivity and data flow.

Algorand[™]
FOUNDATION

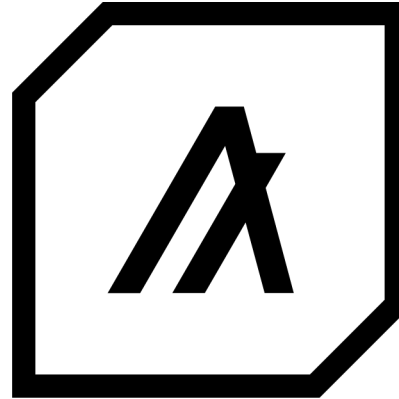
ACHIEVING TRUSTWORTHY DIGITAL IDENTITY

ALGORAND FOUNDATION HACKATUM CHALLENGE



Blockchain

Tamper-resistant system of records, duplicated and distributed over the network of computer systems



Algorand

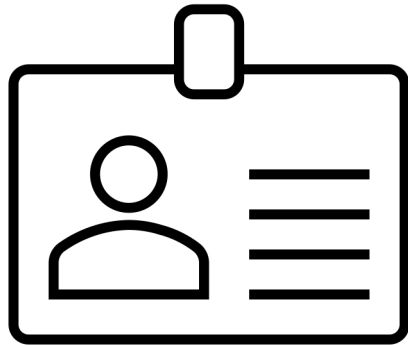
Scalable – **6000 TPS**, Billions of users
Fast < 3.9s | Instant **Finality** | **EVM Compatible**
 Pure Proof of Stake (PPoS) | minimal HW requirements
 Low Fees (less than 0.0001 Euro) | Carbon Neutral
 First Post-Quantum Secure Blockchain



Founder

Silvio Micali
 Professor MIT, Turing Award holder
 & Strong **team!**

WHAT IS BLOCKCHAIN AND ALGORAND?

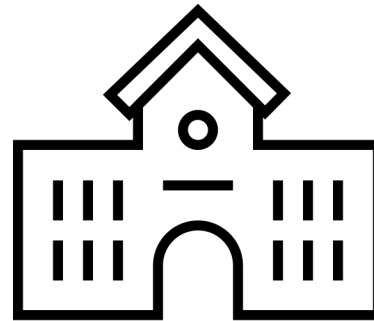


Personal ID

Single signature?

Combination of multiple sources?

Is it really me?

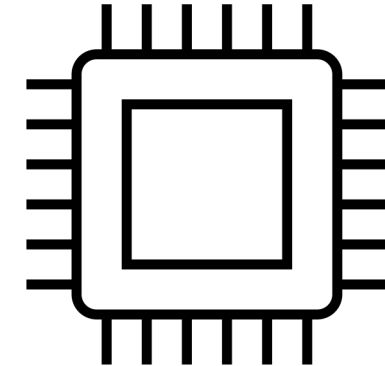


Institution/Company

Misuse?

Transparency?

Whose data do I have?



Application/Device

Certificate of origin/version

Bill of materials – Manufacturing traceability

Are the correct parts used?

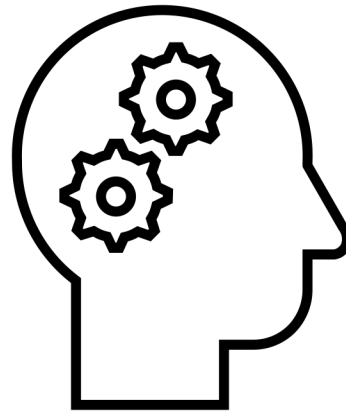
DIGITAL IDENTITY AND ITS CHALLENGES



Data analytics

Evaluate available on chain data

Identify identity behavior

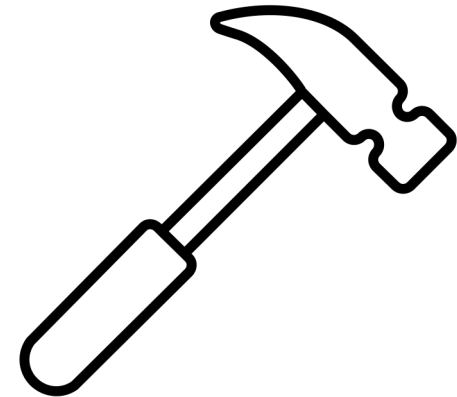


Research piece

Design new protocol for electronic credentials

Look into cryptographic primitives

Analyse current solutions and their applicability to Algorand

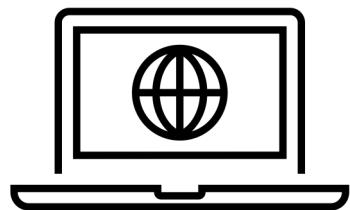


Infrastructure/Tooling

Build your own identity management system

Bridge functionality to other systems

POSSIBLE SCENARIOS



Setup your local environment

Communicate with the blockchain

Use **Docker** containers

We provide **infrastructure** for the data
and more!

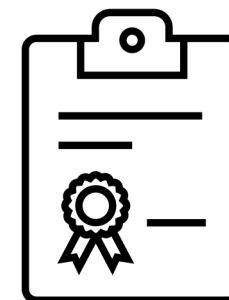


Choose you favorite language SDK

Java, JavaScript, Python, Go

Community SDKs

C#, Rust, Dart, PHP, Swift



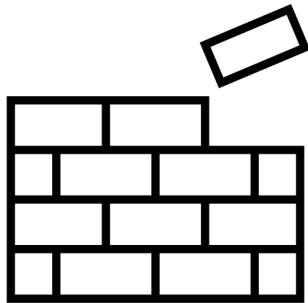
Write smart contracts

TEAL, **PyTEAL**, Reach

EVM Compatibility → **Solidity**

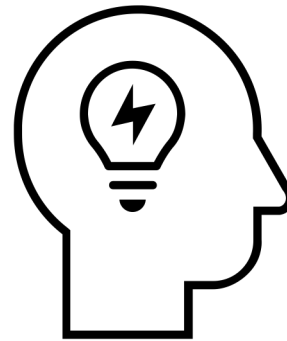
Support on the booth/seminar room
and Online by Algorand Dev Rel

DEV ENVIRONMENT



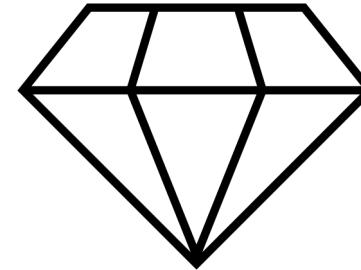
Keep BUIDL!

Projects
Grants
Bootcamps



Research!

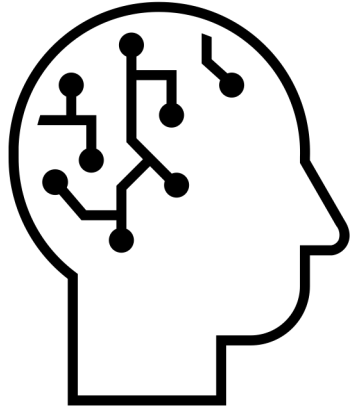
Interested to find out more about the
blockchain stack?
Cryptography, P2P networks, smart contract
languages, consensus, game theory...



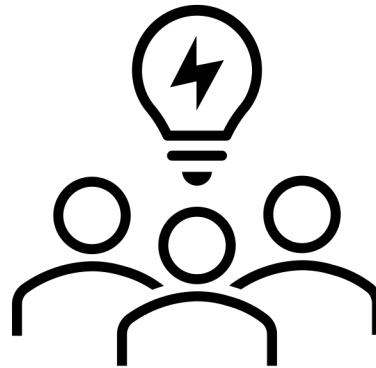
Found a startup!

Incubator connections
Pitch & Ideas

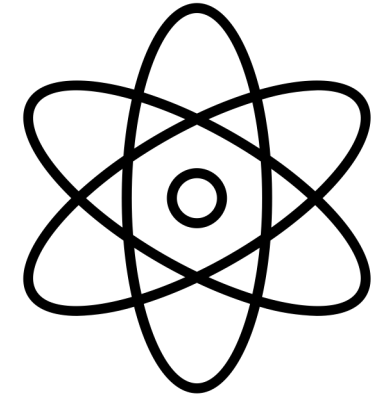
AFTER THE HACKATHON



Learn something new



**Build a cool team and find
future co-founders**



**Create a new solution that
can make our lives better**

KEY TAKEAWAYS

The Algorand Foundation logo is displayed in white text within a white-bordered octagonal frame. The word "Algorand" is in a large, bold, sans-serif font, with a stylized 'A' that has a diagonal slash. Below it, the word "FOUNDATION" is in a smaller, all-caps, sans-serif font. The background of the entire image is a dark blue field with a complex network of glowing lines in shades of blue and red, creating a sense of digital connectivity and data flow.

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HAPPY HACKING!

ALGORAND FOUNDATION HACKATUM CHALLENGE