

The Blockchain and Kudos

A distributed system for educational record, reputation and reward

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Life-changing Learning

The opportunity

To combine

trusted distributed records of educational achievement

with

a system of tradeable educational reputation to recognise and reward intellectual achievement

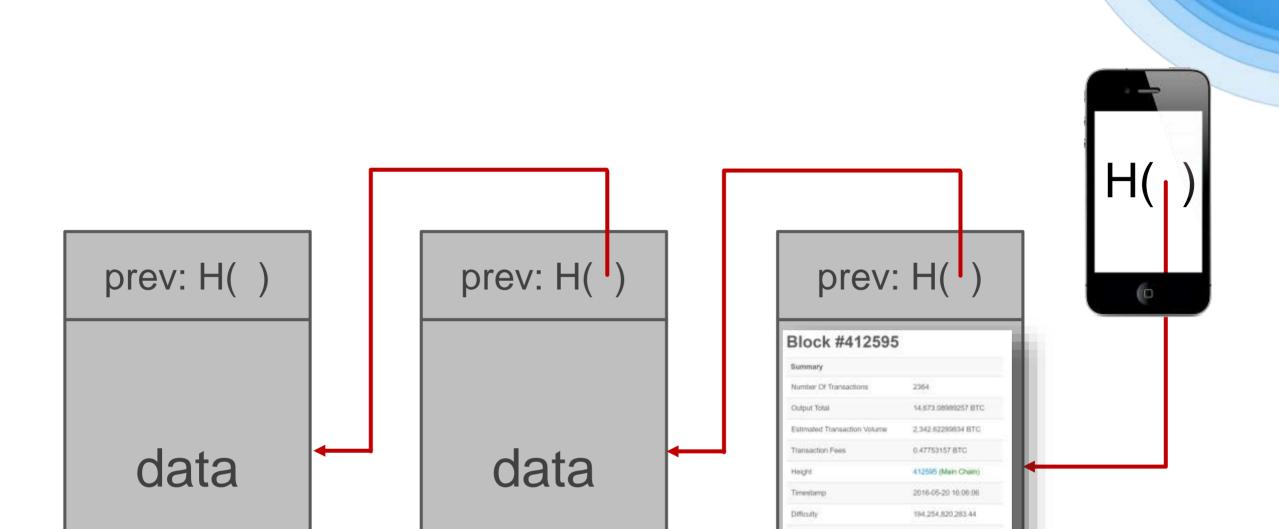


open up education, while assuring quality airbnb of achievement



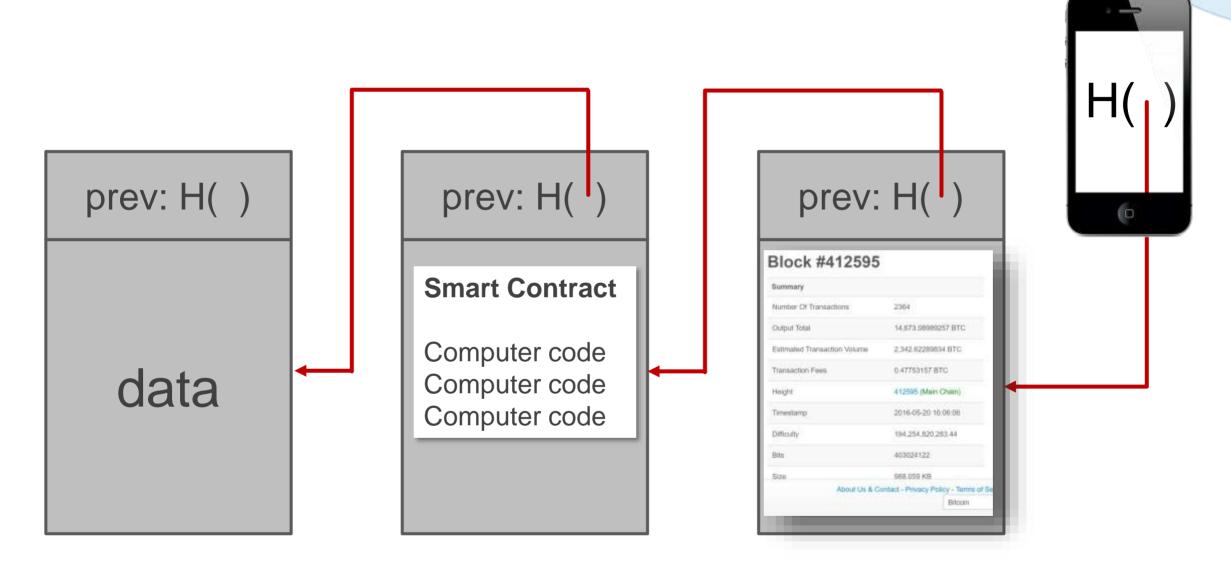


The blockchain



A public distributed linked list with hash pointers A user can easily and quickly retrieve information from the list The hash function verifies that the data hasn't been changed Core mechanism for Bitcoin transactions, but can be adapted for other uses

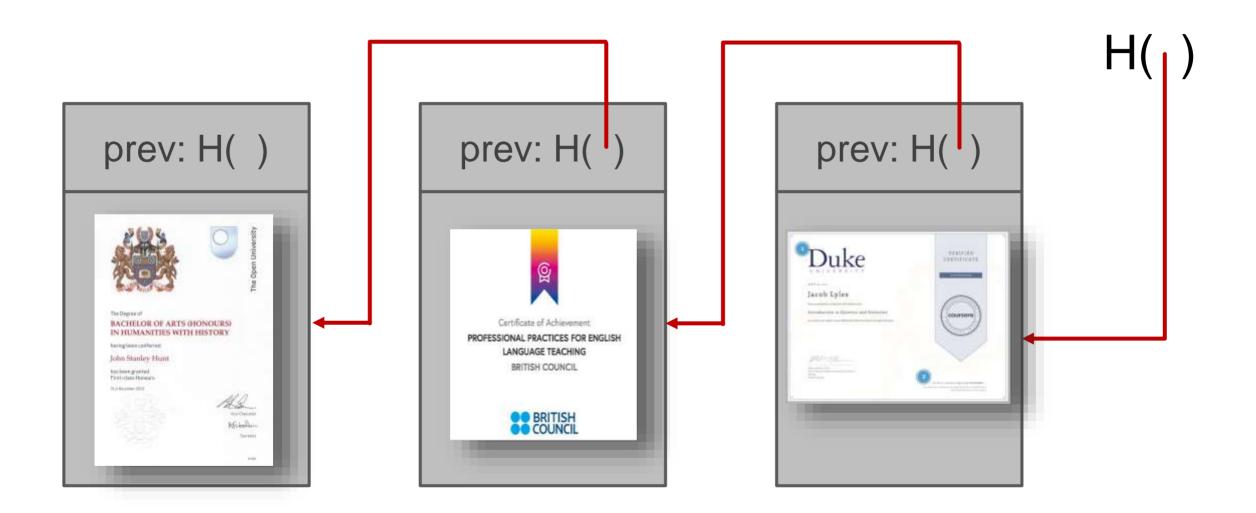
The blockchain



Blockchain can contain Smart Contracts: computer code to carry out transactions, such as sending an invoice

Educational blockchain

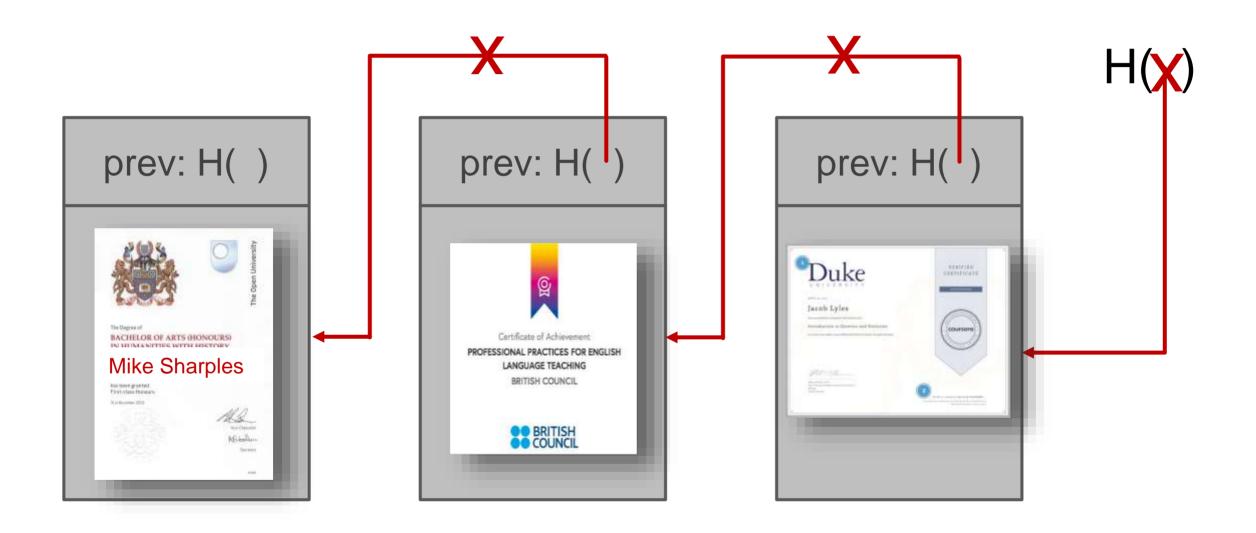




Stores records of achievement Public evidence of an award

Educational blockchain





Stores records of achievement Public evidence of an award Once stored, these cannot be altered, even by the original issuer

Blockchain as proof of intellectual work



- Public blockchain for education
- Any person can lodge a public record of a 'big idea'

Such as an invention, academic paper, poem, artwork

- Each big idea is identified with the author(s) and time-stamped
- One or more people could add their digital signatures to the record
- Permanent e-portfolio of intellectual achievement, visible to anyone
- Crowd-sourced method of patenting



https://techcrunch.com/2016/03/14/blockai-launch/

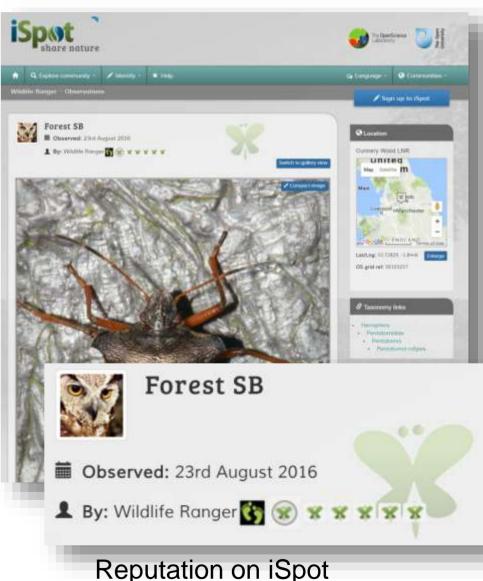
Blockchain for intellectual currency



- Reputation has a tradeable value (e.g., Uber, AirBnB)
- Reputation is already traded among academics (e.g. H-index of publication impact)
- Now imagine open trading of intellectual reputation
- Each recognized educational institution is given an initial award of an intellectual currency (the Kudos)
 - Based on e.g. THE World Ranking, or H-index, or Amazon author rank
- Each institution allocates amounts of Kudos to employees it wishes to recognise
- Each institution and person stores its fund of reputation in a virtual 'wallet' on the educational blockchain

Trading in intellectual currency

- Educational institution awards small amounts of Kudos to students who graduate
- Student may pay a tutor in Bitcoin currency, and receive Kudos in return for passing a test or completing a tutorial
- Any individual can post an item of note on the educational Blockchain
 - e.g., idea, presentation, paper, story, poem, artwork
- People can associate Kudos with that item to indicate its value
- Or can transfer small amounts of Kudos to the author to boost author's reputation
- Similar to Kickstarter, but with a currency of reputation
- Amount of Kudos associated with a work or author is an indication of their intellectual value



Reputation on iSpot http://www.ispotnature.org/

OpenBlockchain

Blockchain-based e-portfolios, feedback and accreditation

blockchain.open.ac.uk

Collaboration
with APPII
(appii.iio) on
trusted open
profiles and CVs

Adding
OpenLearn
badges and
course portfolios
onto to the
OpenBlockchain



Badge

Badge Blockchain address:

Badge Contract Owner:

Dx8c76d967a25a6f742024445a5e670638963db347

To Sad 750 1799 Scalls To STHAT STATE SAT VICE HOLE II

This badge has been issued for participating in the activities in the free reconcined better course English, skills for learning. This course supported demonstration of the following learning outcomes: follow an active reading method to help you read academic better and make indoes, critically read occurre better and appropriately use the information. They contain in your writing, link does in your writings to that you makes are easily undertainty once about make use of vocabulary and grammatical structures to express yourself more families, the most of orders.

English skills for learning

What if?



- A single universal record of intellectual works and awards, each associated with reputational credit
- Extends academic practices of reputation and review to anyone
- Conversion rate between reputation and money?
- What is the value of scholarship?
- Do we want education to be (further) commodified?
- Marketplace for knowledge, or opening up education?