

Blockchain + IoT



**Hudson Jameson** 

Involved in cryptocurrency/blockchain space since 2011.

USAA: 2014-2016

Ethereum Foundation: 2016-current

Oaken Innovations: 2016-current

1 Wife & 3 Cats









#### Who We Are

Oaken Innovations made up of a team of professionals working to build-out practical solutions within the blockchain space.

Oaken is an IoT blockchain platform for smart cities with hardware and software for automated machine-to-machine transactions over a secure and decentralized network.

Welcome to the intersection of Blockchain and IoT.







John Gerryts

Laney Fisher



Hudson Jameson



Shuang "Lex" Liang

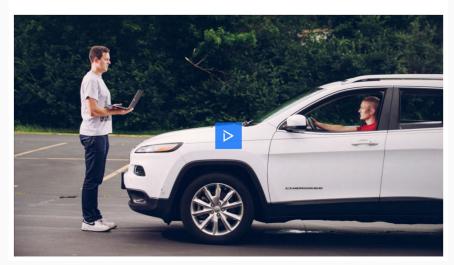


James Johnson

## Why IoT Needs Blockchain



# HACKERS REMOTELY KILL A JEEP ON THE HIGHWAY—WITH ME IN IT



# **BLOCKCHAIN**



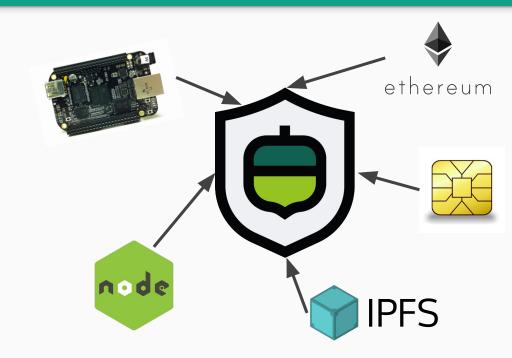




### The Oaken Platform

The Oaken platform is made of A.C.O.R.N.S (Autonomous Communication Over Redundant Nodes).

ACORNS provide a layer of security to both the hardware and software components of an IoT network.



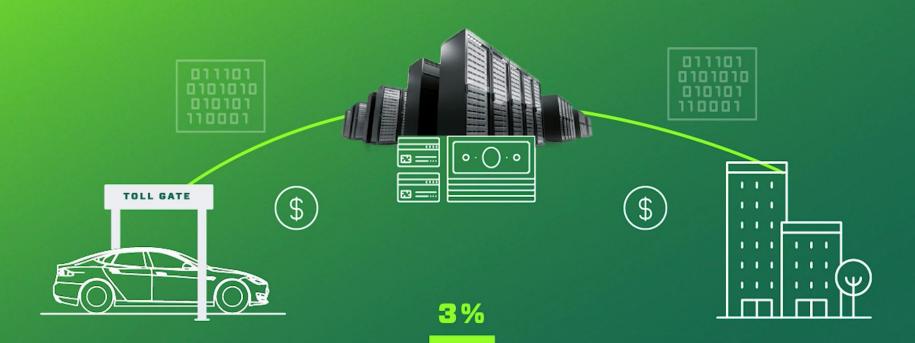
### Use Case: Tollroads

- Hacked a Tesla and simulated a tollgate to win the grand prize at the United Arab Emirates Virtual GovHack.
  - Created a blockchain identity for the Tesla and for the tollgate.
  - Smart contract triggered when the Tesla would pass through.
  - True machine-to-machine value transfer.





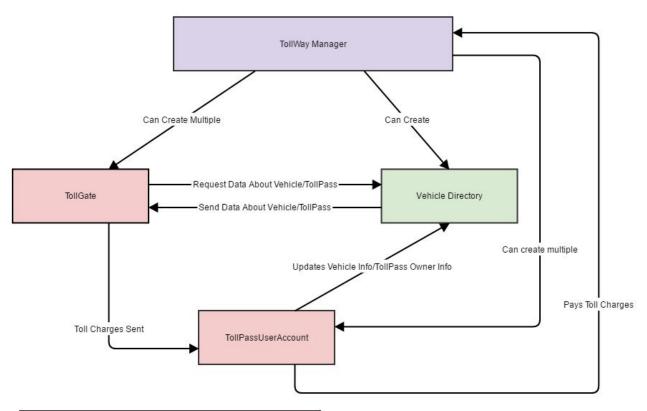
## **CURRENT MODEL**





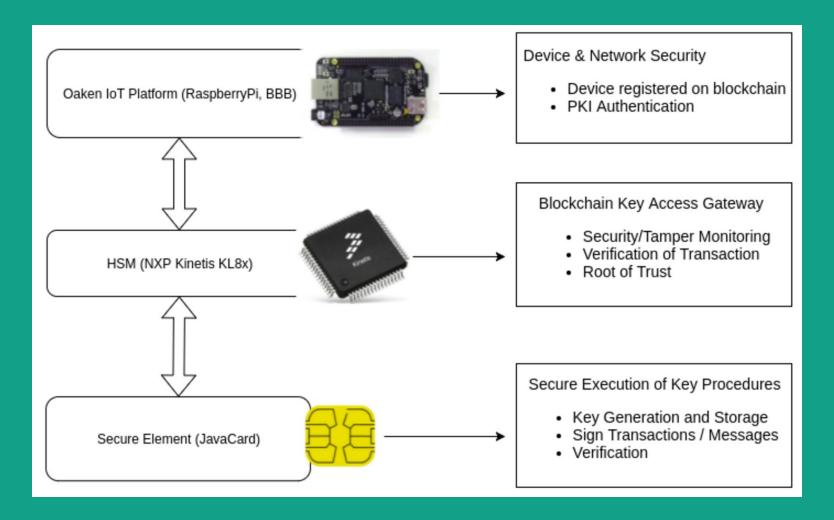
## **OAKEN MODEL**





Legend	
Master Contract Factory Data Logic	Purple Green Red

This diagram describes how the backend Ethereum contracts interact with each other. Each box is a smart contract.



#### **Looking Ahead**

- Continuing to build and refine the Oaken Platform.
- Working with our industry partners to explore use cases across many fields.
- Expect an announcement during Consensus 2017.











#### Contact

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Come see my IoT breakout session tomorrow!

