

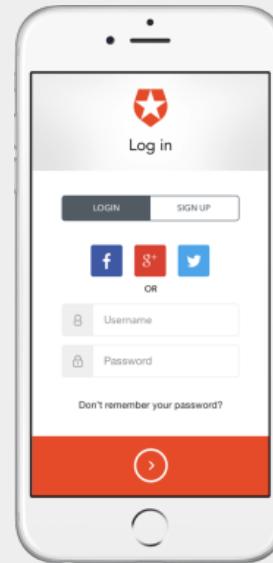


How OSS IS changing the WORLD

Glenn Block, Auth0 (@gblock)



Identity made simple
for Developers



All you need is code

All you need is code

Run code with an HTTP call. No provisioning. No deployment.

Try it Now!

```
mywebtask.js - vim
1 module.exports = function (cb) {
2   cb(null, 'hello webtasks!');
3 }
```

```
your-machine:- curl https://webtask.it.auth0.com/api/un/wt-home-container-57/mywebtask
HTTP status: 200
execution time: 94ms
"hello webtasks!"
```

<https://www.auth0.com>



POX.NET - Home

poxnet.codeplex.com

CodePlex Project Hosting for Open Source Software

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HOME SOURCE CODE DOWNLOADS DOCUMENTATION DISCUSSIONS ISSUES PEOPLE LICENSE

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Project Description

POX.NET is a set of utility classes that assist in creating POX (Plain Old Xml) services and clients in .NET 2.0. This library leverages classes within .NET 2.0 and does not require any additional add-ons. With POX.NET working with POX in .NET is a breeze.

For background of this project see the original blog post at <http://blogs.msdn.com/gblock/archive/2007/01/22/pox-xmlhttp-in-net-2-0.aspx>.

Sample POX Client / Service and test fixture are included in the source.

Mini QuickStart - Using POX.NET

POX.NET allows you to do two main things. 1. Create a POX client to invoke a POX service. 2. Create an ASP.NET POX service.

Invoking a POX service.

In order to invoke a POX Service using POX.NET you do 3 things:

1. Create a POXClient instance
2. Invoke the Post<T> method passing an Xml serializable object instance.
3. Call GetResponse<T> and retrieve the response type.

The example below shows how to Invoke a POX service that accepts an Order object as part of the request, and retrieves an OrderResponse object as part of the response.

```
using Microsoft.POXUtils

public OrderResponse SubmitOrder(Order order)
{
    Order Order = new Order(1234);
    POXClient Client = new POXClient("http://Orders/SubmitOrder.aspx");
    Client.Post(order);
    return Client.GetResponse<OrderResponse>();
}
```

Search Wiki & Documentation

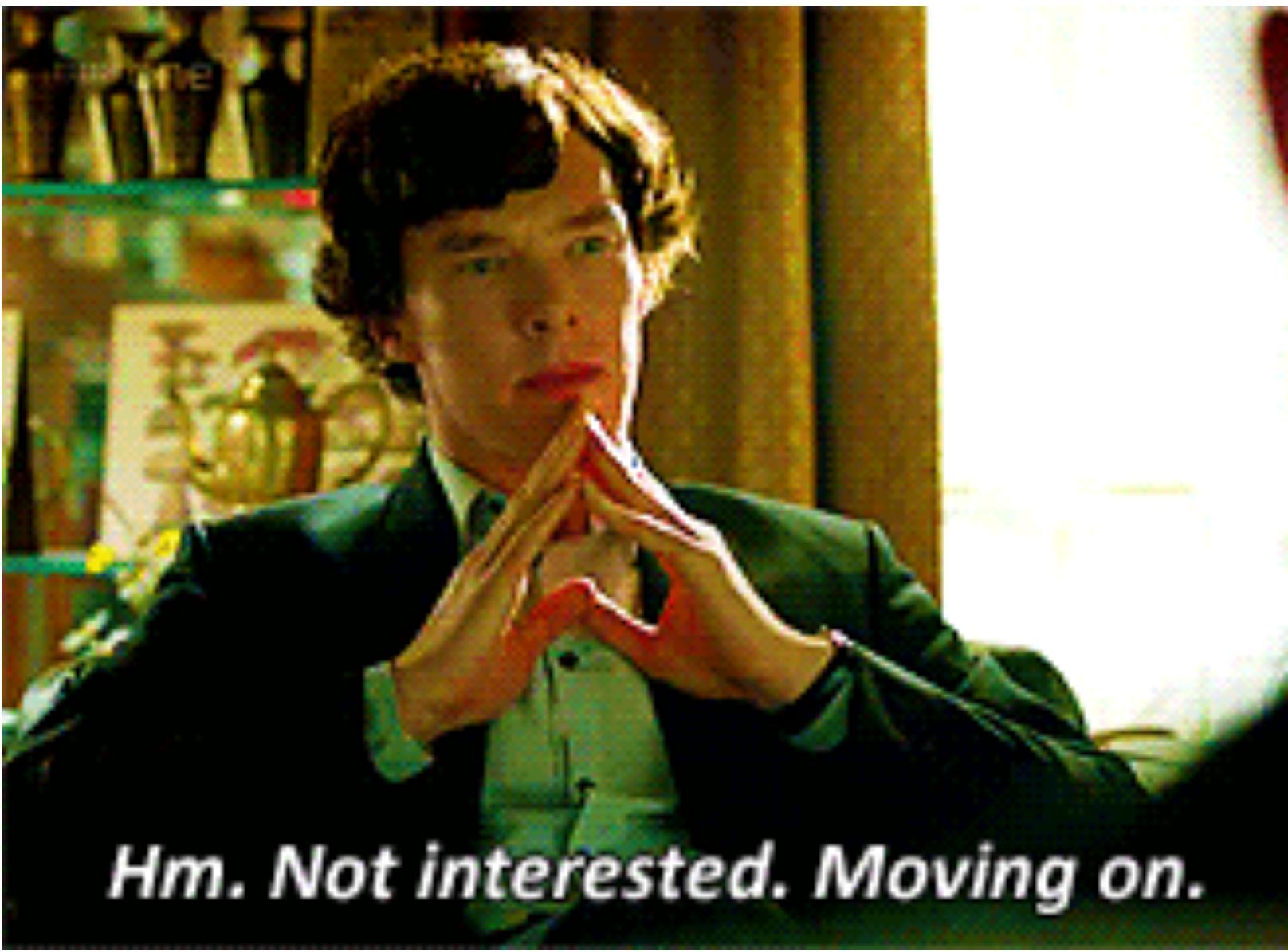
There is no recommended release for this project.

ACTIVITY

DOWNLOADS

0

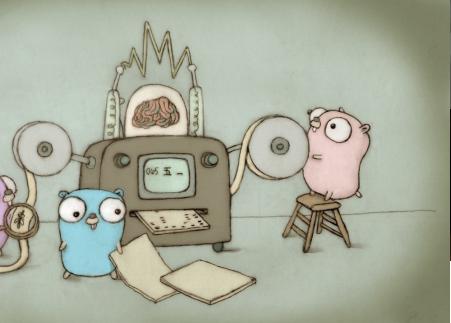
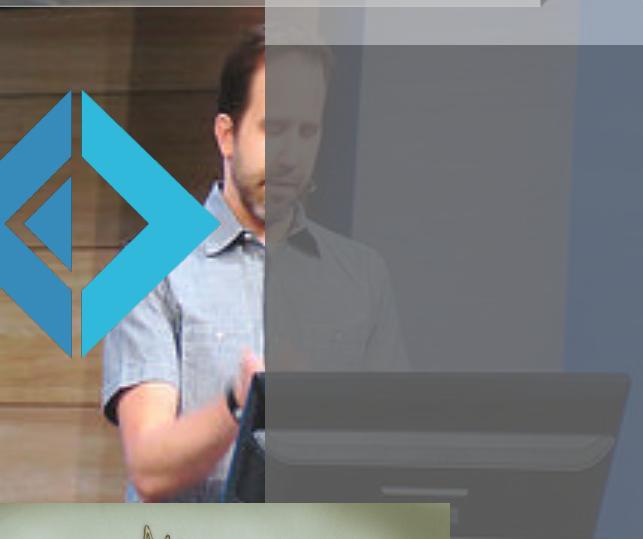
Days: 7 30 All Details



Hm. Not interested. Moving on.



So how is OSS
changing the
WORLD?



- node.js
 - scala
 - go
 - F#
 - OpenJDK
 - .NET
 - rust
 - R



OpenJDK



What is this? The place to collaborate on source implementation of the Java Edition, and related projects. (Learn more)



Download and **install** the open-source popular Linux distributions. If you for Oracle JDK 8 product binaries for Mac OS X, or Windows, which are same code, you can download the java.oracle.com.



Learn how to use the JDK to write Java code in a wide range of environments, from



Hack on the JDK itself, right here! OpenJDK Community: Browse the code, clone a Mercurial repository to make changes, learn how to build and hack on the code, use the NetBeans IDE, and contribute a patch back to the project to enhance an existing component, or add a new feature.

Developer stacks



A large projection screen displays a developer's workspace. On the left, there's a file browser window showing files like 'main.m', 'ProgramDelegate.h', and 'Program.m'. In the center, a terminal window shows C++ code with color-coded syntax highlighting. To the right, there's a large, pixelated image of a character from the game Super Mario Bros., rendered in yellow and grey blocks. The overall theme is a developer's environment.

```
ConsoleColor(44 *  
    C_H + T_ConsoleColor_DarkGrey  
    C_H + T_ConsoleColor_Grey  
    C_H + T_ConsoleColor_Yellow  
    ConsoleColor_Magenta;  
Console.BackgroundColor = 44;  
Console.ForegroundColor = 44;  
Console.WriteLine("Hello, Mac...");  
const string Apple = "#"  
...  
Press any key to exit ...
```

IT'S NOT THE SIZE OF YOUR DATA THAT MATTERS

BIG

Data

IT'S HOW YOU USE IT!



BIG Data

- Hadoop
- Spark
- Cassandra
- Kafka
- Flume
- Elastic Search

Machine

Learning

Machine Learning

- R
- Pandas
- TensorFlow
- Spark
- Torch
- Weka
- MLLib
- Scikit-learn

A photograph of a person from the waist up, facing slightly to the right. The person is wearing a light-colored t-shirt with the word "DevOps" printed on it in a large, outlined font, and a dark baseball cap. They are also wearing a dark jacket over a light shirt. The background is a textured blue wall.

DevOps



CHEF



Configuration and Deployment

- Docker
- Chef
- Puppet
- Ansible
- Vagrant
- Zookeeper
- Mesos / DCOS
- Nomad

ANSIBLE



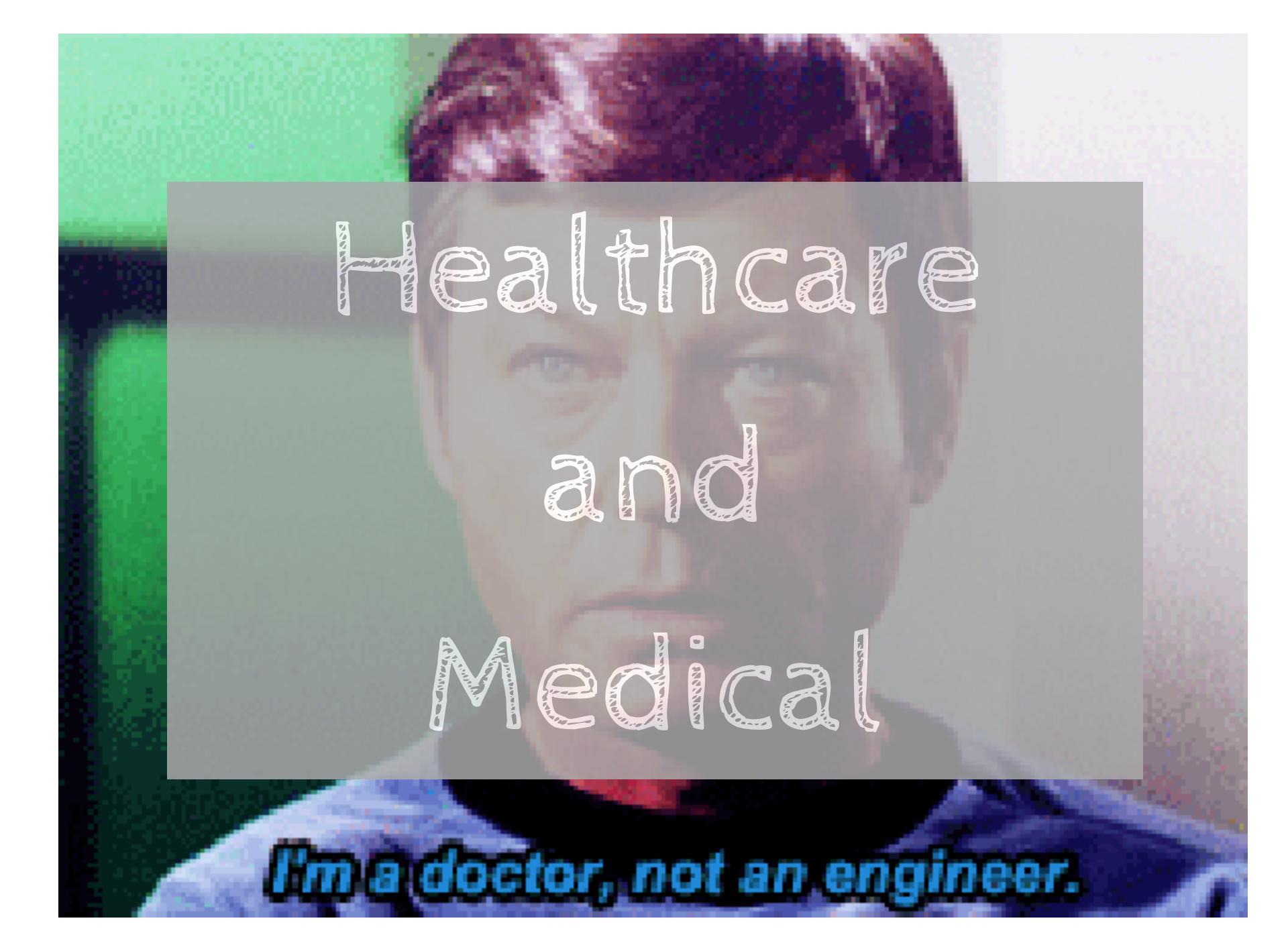


IoT

IOT

- Netduino / Arduino / Tessel
- Octoblu
- iotivity.org
- kaa
- [cylonjs](http://cylonjs.com)
- iot.eclipse.org
- Windows 8 IOT Core



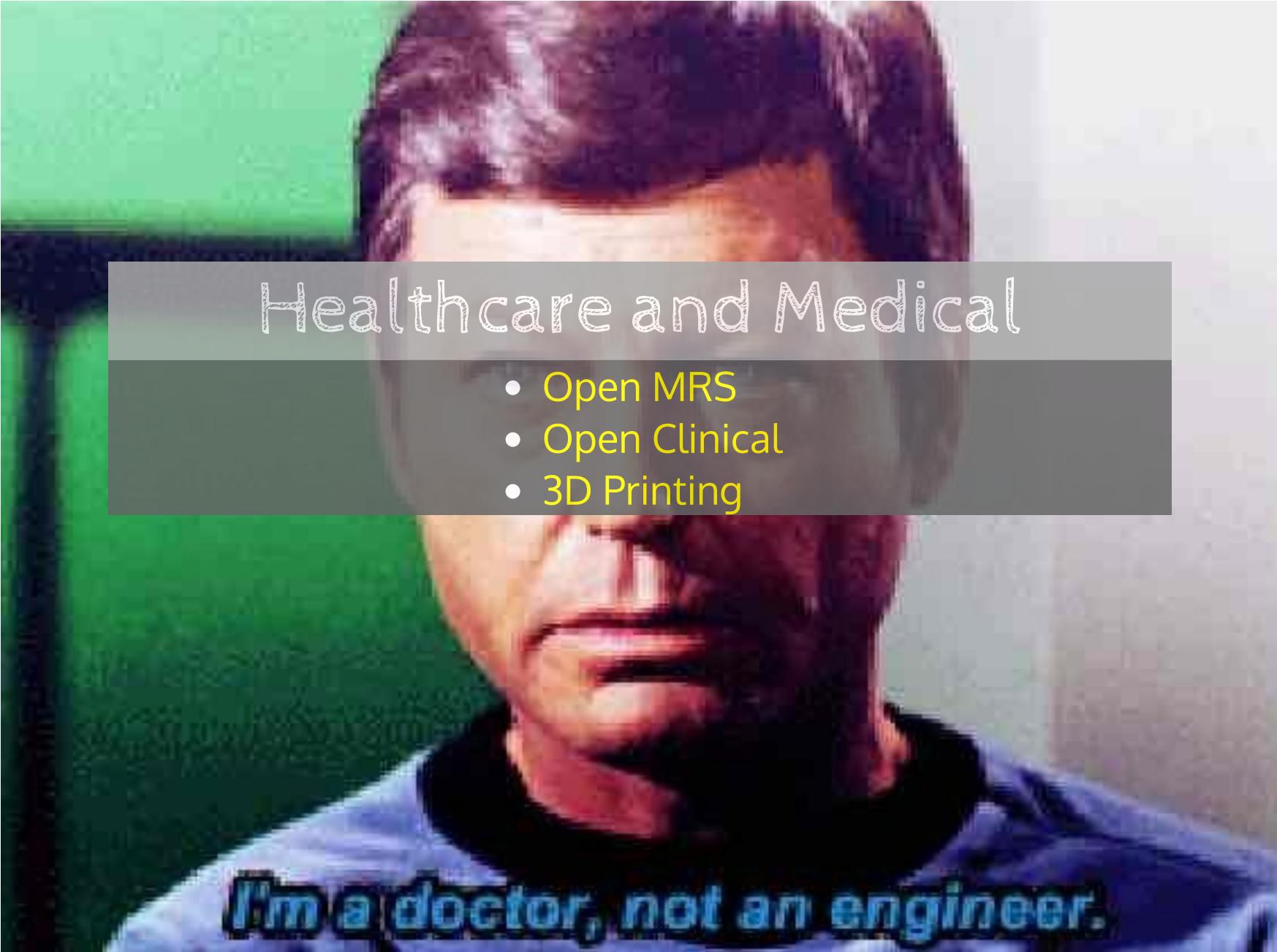
A close-up photograph of a woman with short brown hair, wearing a green medical scrub top. She is looking directly at the camera with a neutral expression. The background is slightly blurred.

Healthcare

and

Medical

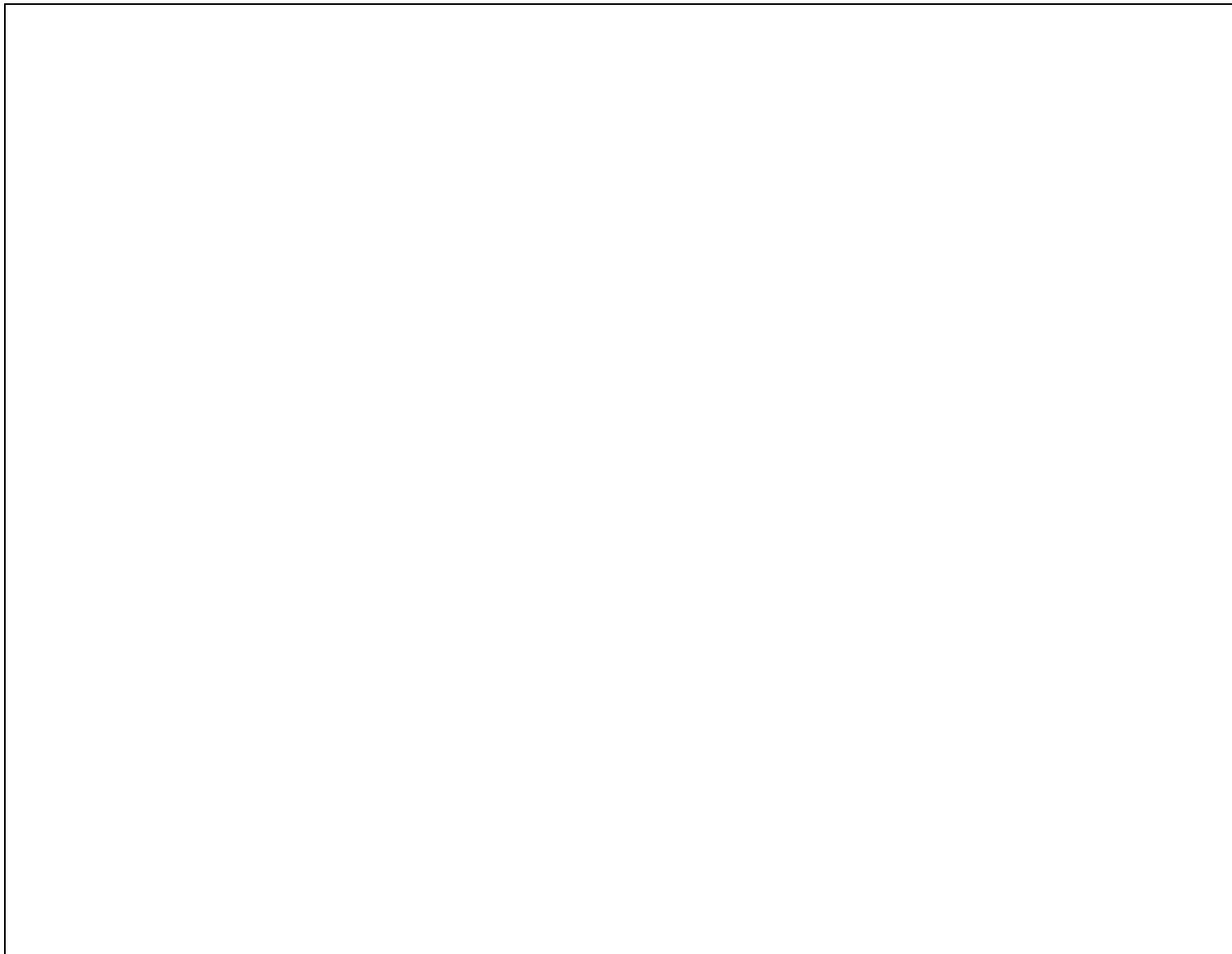
I'm a doctor, not an engineer.



Healthcare and Medical

- Open MRS
- Open Clinical
- 3D Printing

I'm a doctor, not an engineer.



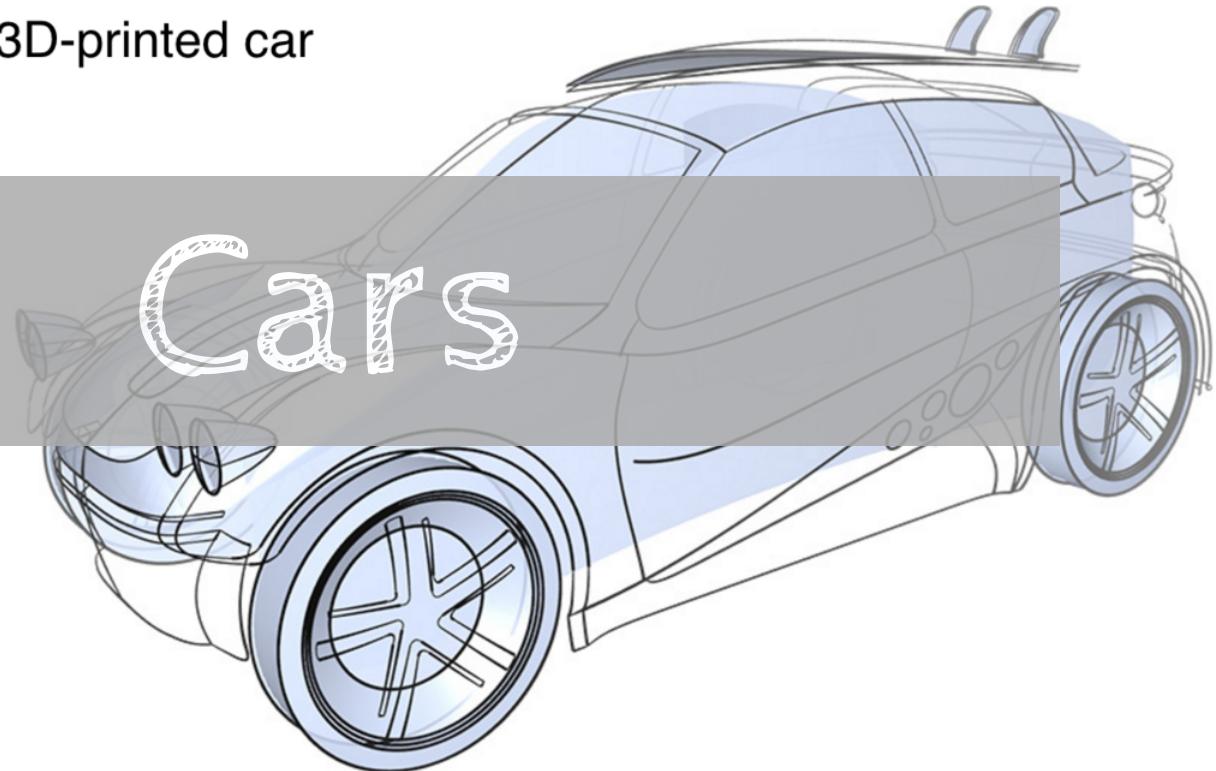


HISTORY IN THE MAKING

Help develop the world's first 3D-printed car

Get started »

Cars



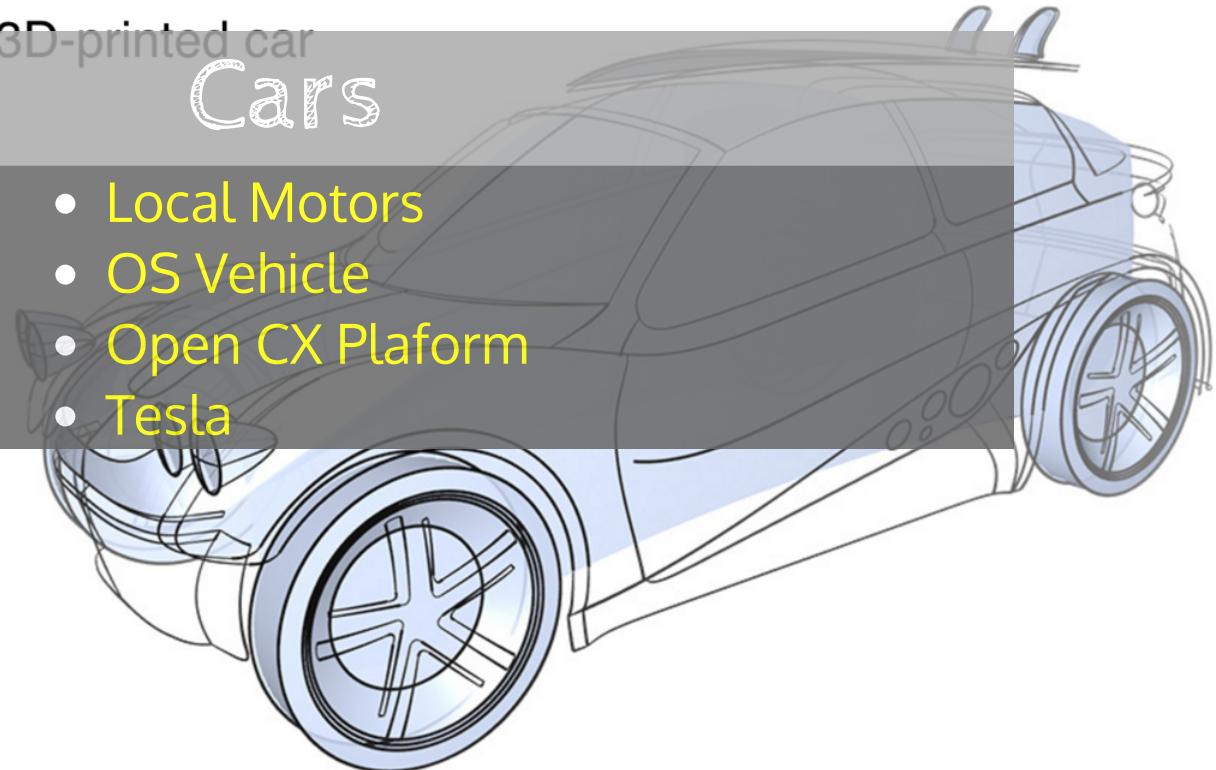
HISTORY IN THE MAKING

Help develop the world's first 3D-printed car

Cars

Get started »

- Local Motors
- OS Vehicle
- Open CX Platform
- Tesla

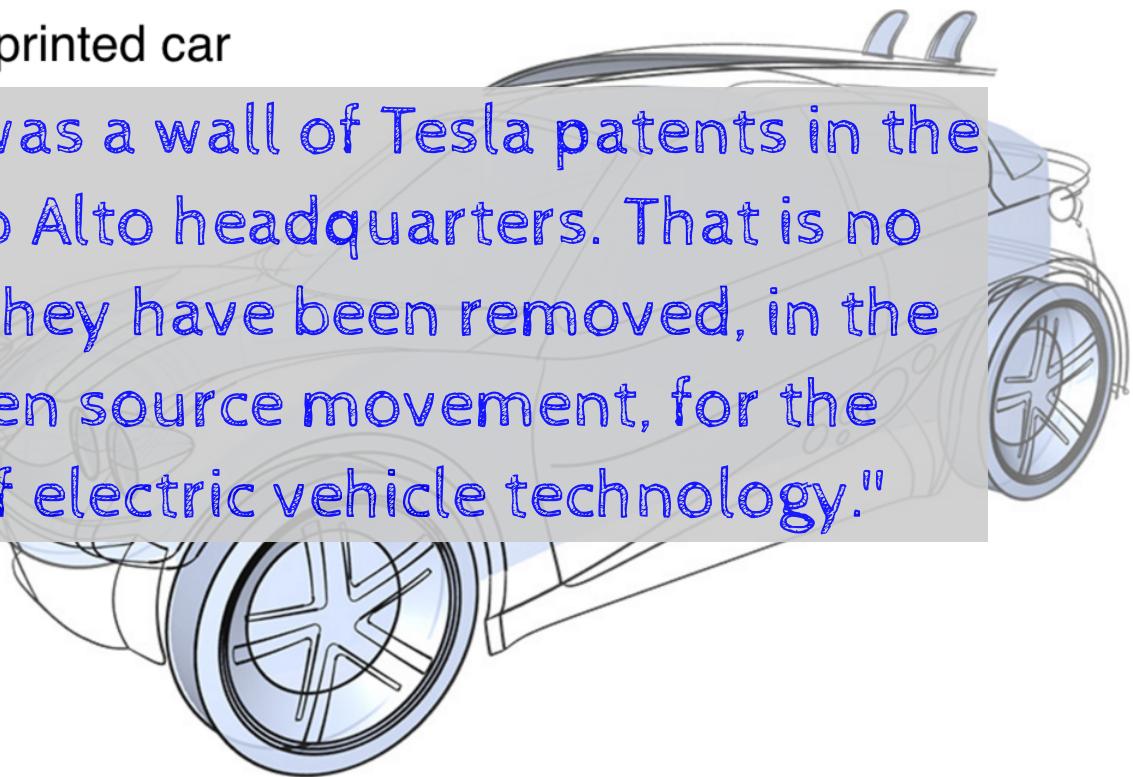


HISTORY IN THE MAKING

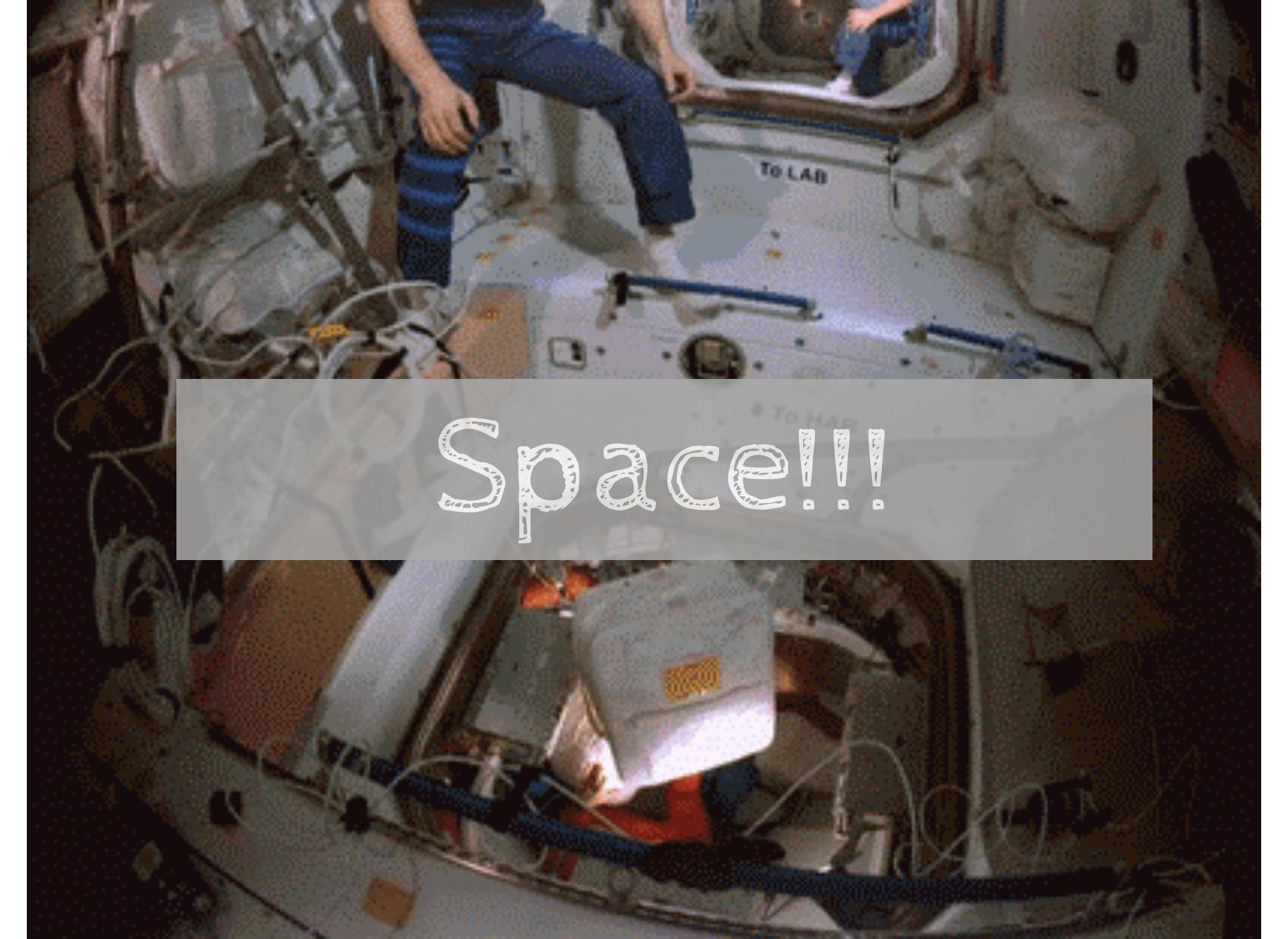
Help develop the world's first 3D-printed car

Get started

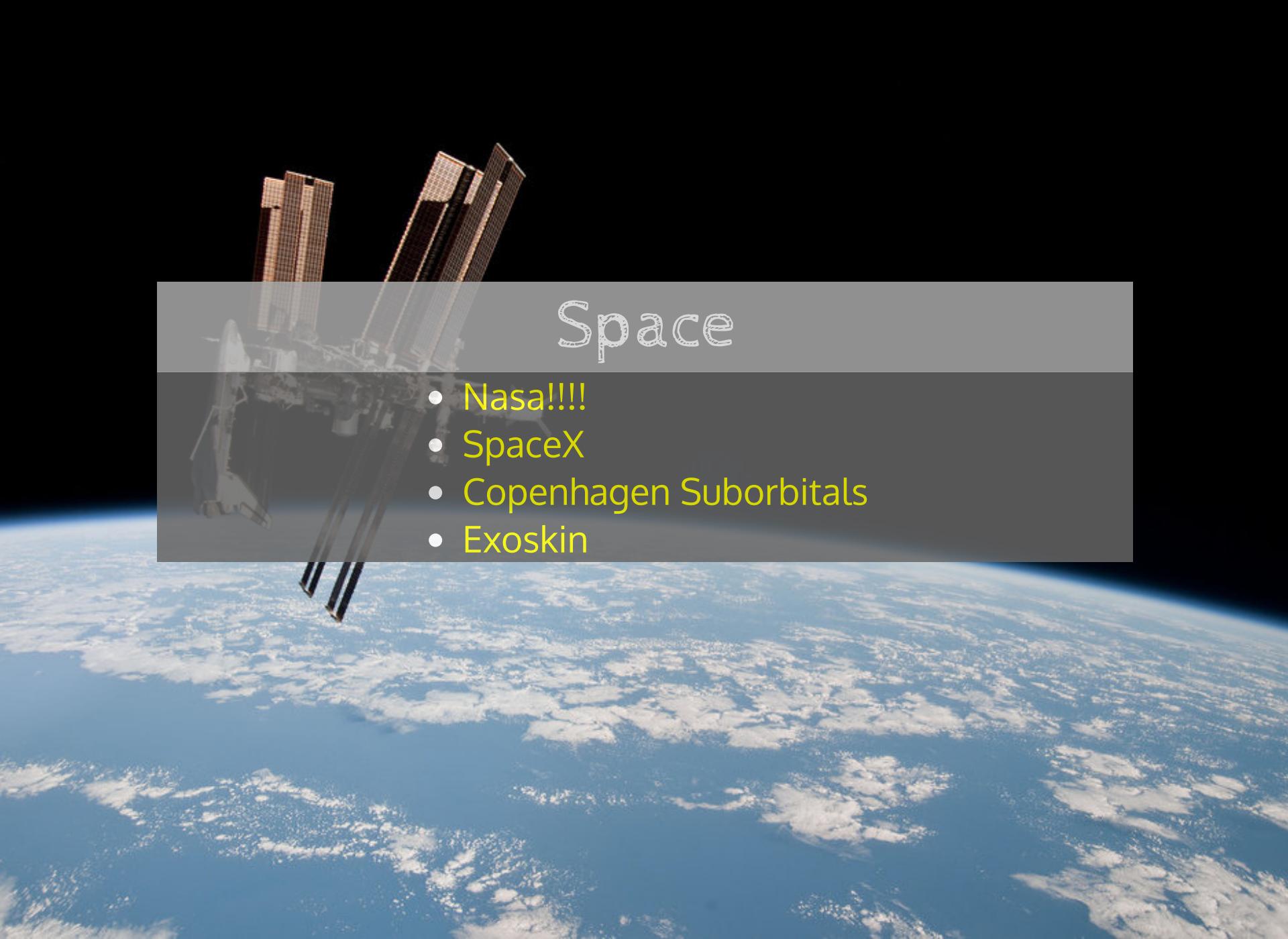
"Yesterday, there was a wall of Tesla patents in the lobby of our Palo Alto headquarters. That is no longer the case. They have been removed, in the spirit of the open source movement, for the advancement of electric vehicle technology."







Space!!!



Space

- Nasa!!!!
- SpaceX
- Copenhagen Suborbitals
- Exoskin



"Mom, can you buy me
a satellite as Christmas gift?"

"Yes, darling."

Reliability As ART

↓
flows

COMMERCIAL

INDUSTRIAL

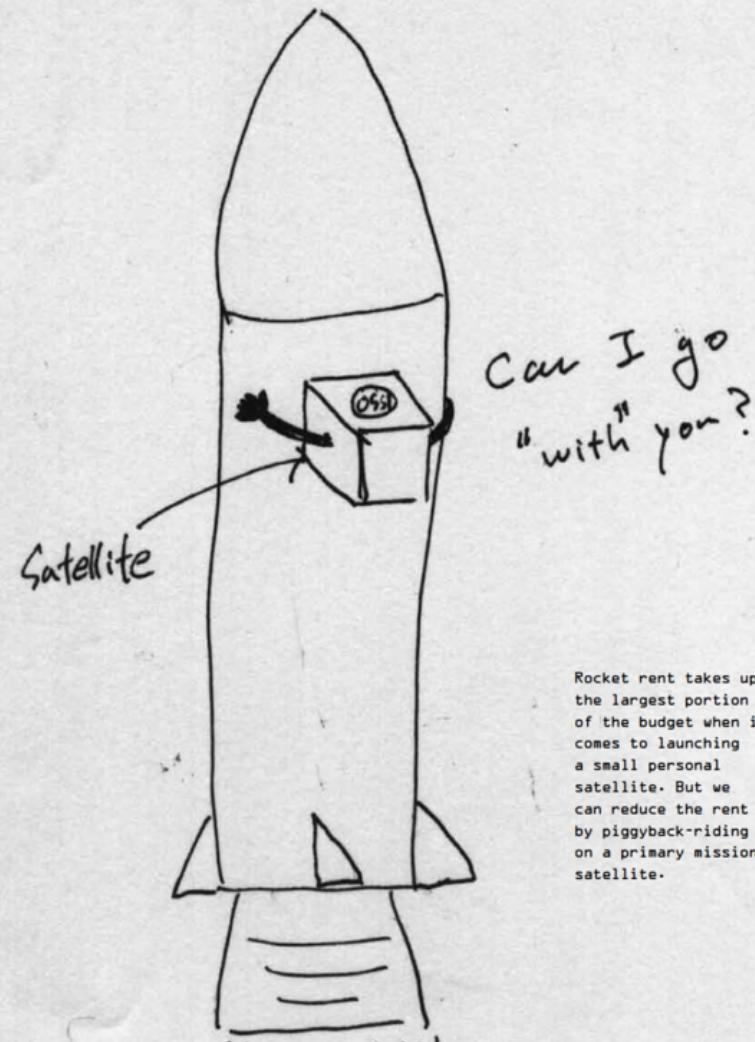
MILITARY

AEROSPACE

In order for an electronic device to be used in a space environment, it needs to tolerate radiations and should have good temperature ratings. What is going to happen when stories can be stored in reliable electronic devices? I'd say "The Strongest Weapon in the World" is an electronic device that stores beauties of the world even under nuclear radiation, which then can also reproduce the beauties in digital format.

Reliability Is ART!

Piggyback Riding





*Hojun Song DS1SBO performing final assembly of
OSSI-1 satellite on April 9, 2013*

Very Kind Open Source™ to
Launch your own satellite!



Satellite

The OSSI-1 CubeSat lifted off on a Soyuz-2-1a with the research satellite Bion-M1 from Launch Complex 31 at Baikonur in Kazakhstan on Friday, April 19 at 1000 UT and was deployed from the Pod mounted on top of Bion-M1 at 1615 UT.

for the
Rest of Us!®

FREE daily eTips at opensat.cc

Bonus:

*Art & Culture Activities
for Existential Questions*

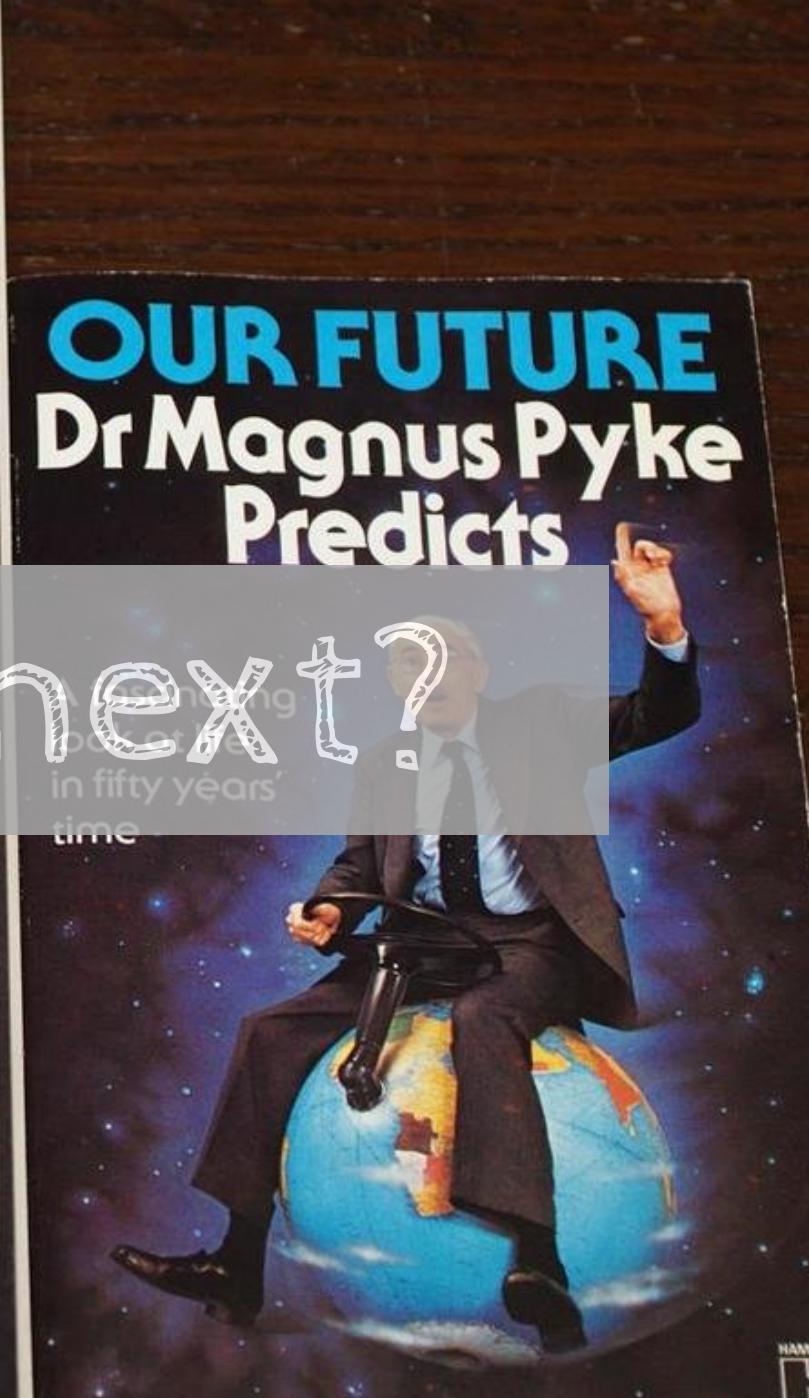
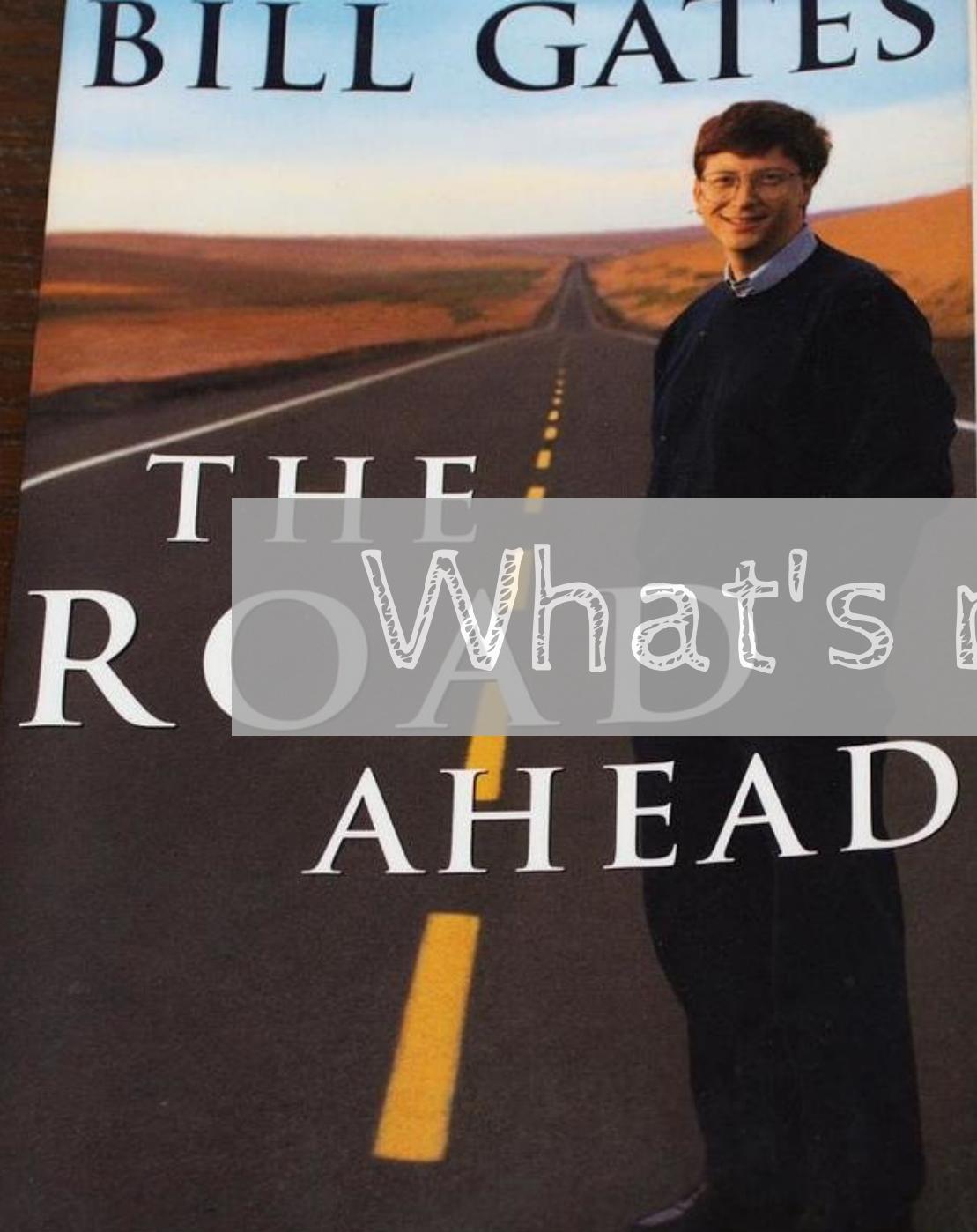
Song Ho Jun

Artist who launched Artificial Satellite





HE ACTUALLY DID IT!!!!!!





Open source
Government?



You Decide!!!



Thanks!



Glenn Block @gblock