The Mathematical Mesh

Making computers easier to use by making them more secure

# EQR Encrypted Quick Response Codes

What if you could pay bills by just scanning a bar code with your phone?

# The Devil is in the Deployment

Network effect is the chicken and egg problem.

Need applications that don't rely on network effects.

# Tools for Administrators

No more passwords in scripts

Manage keys for SSH, OpenPGP and S/MIME.

# Tools for Hobbyists

## Home Inventory

Build inventory of all equipment in home for maintenance purposes.

Link to parts suppliers

Add devices by scanning bar codes and giving manufacturer

## Home Automation Bus

Enable actual control of smart home devices

Provide code library for manufacturers to build on.

# Tools for Enterprises

## Confirmation protocol

Second factor authentication without the need for additional devices

Tie authentication to the actual operation(s) that are approved.

Audit trail that is to the device level

Ubiquitous - apply to code commits, etc.

## Confidential Document Control

Level 1, Share documents in PDF format, limited annotation ability

Level 2, deep integration with office, etc.

# Tools for Everyone

## Catalogs

### Bookmarks

### Password Manager

### Contacts

### Devices

## Synchronous Communications

### Text

### Voice

### Video

## Asynchronous

### Blog comments

### Document annotations