

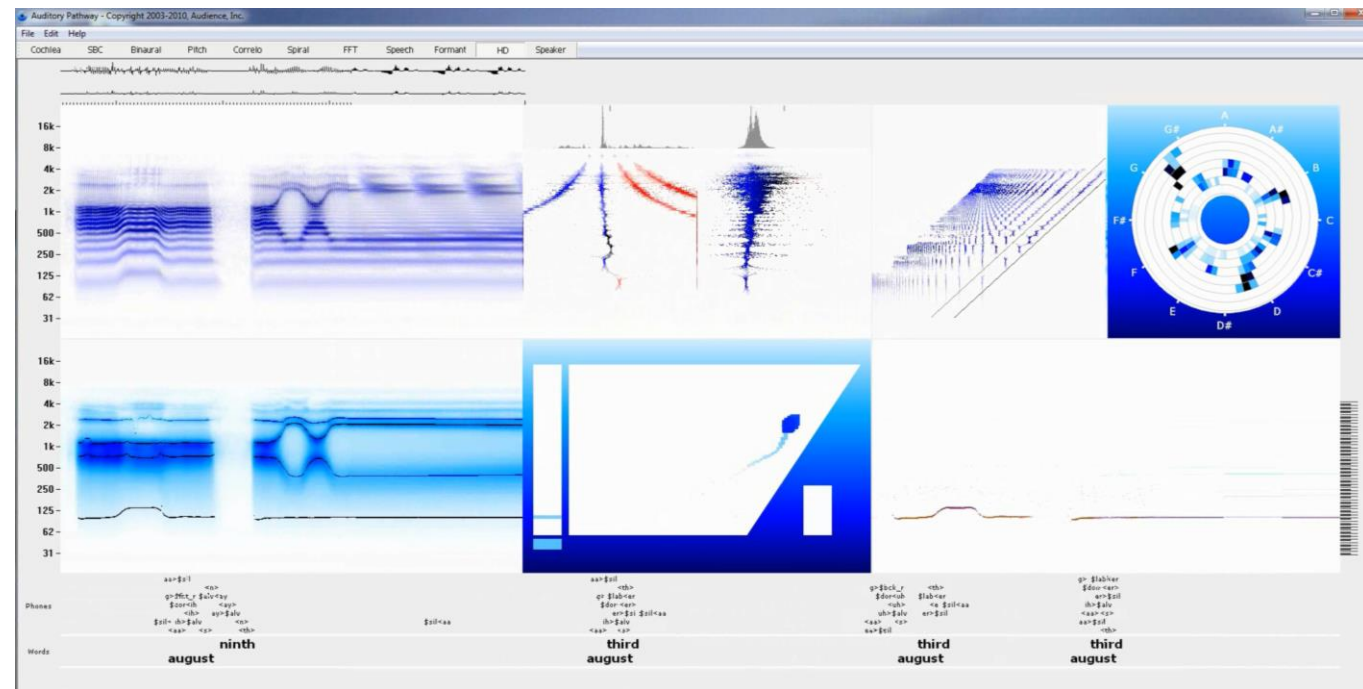
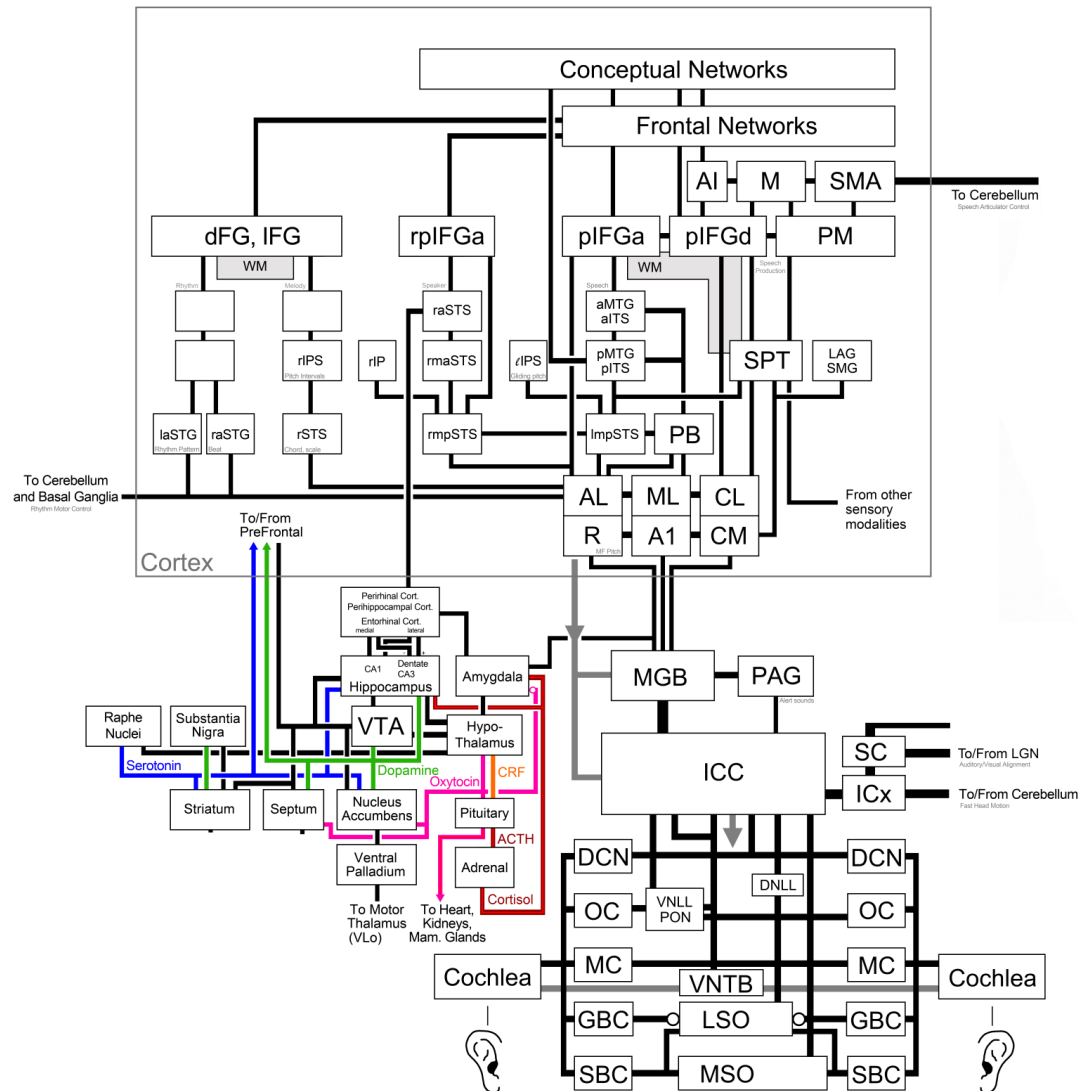


neocortix

Commercializing Brain-Inspired Computing NICE 2017

Lloyd Watts, Ph.D.
Founder and CEO
March 7, 2017

Brain Architecture (Auditory Pathway)



(Watts, *Reverse Engineering the Auditory Pathway*, 2012)

Building a Brain with Commodity Hardware

Early Google Machine, ~1999



4 PCs, 44 disk drives
Data centers based on commodity PCs

First Neocortix Machine, April 2015



10 cell phones
Data centers based on commodity cellphones
4.5X more efficient than PCs, and still improving

But the Earth is Covered with Phones, Idle Much of the Time



300 Million MicroColumns



Jon Berkeley

2.6 Billion Phones
Galaxy S6 has 35 Gflops → 91 ExaFlops



Neocortix sells Cloud Services on Public Android Phones

There are **Billions** of TeraFlops sitting idle in 2 Billion Cellphones
And **Billions** of Dollars Waiting to Buy Them
We Put Them Together

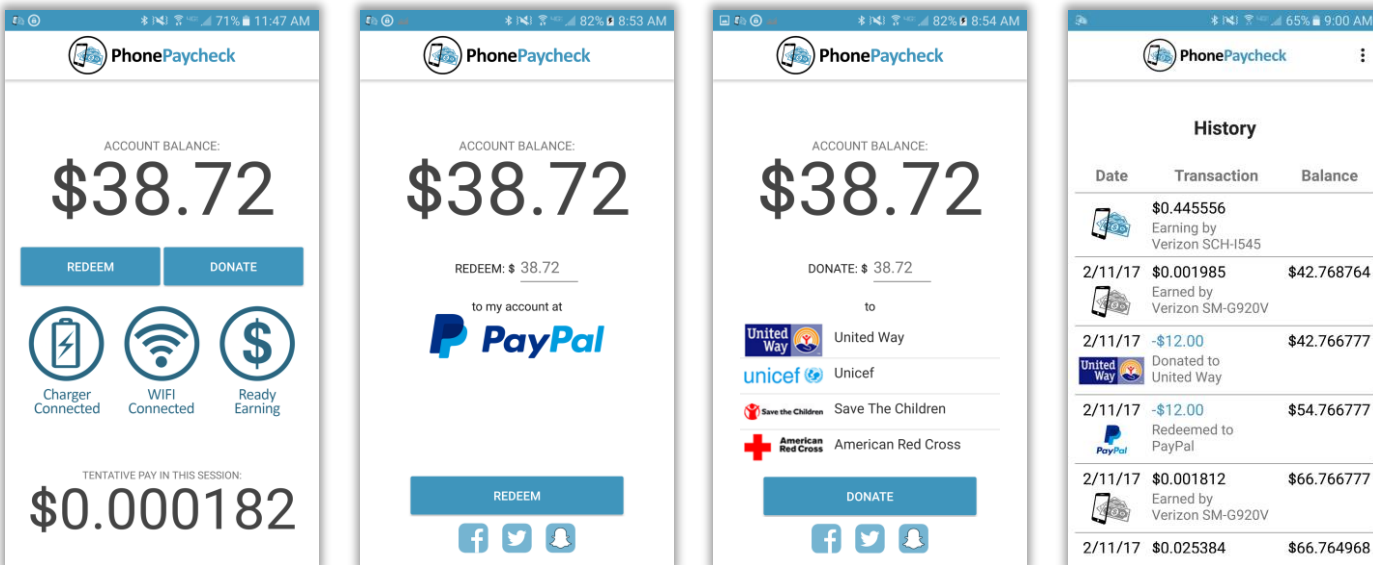
Like Uber for Cloud Services
Cheaper than the giants, Better or Enabling for Some Types of Work

Business Overview

Neocortix sells Cloud Services on Public Android Phones



PhonePaycheck app



Users install the app and get paid.
\$80/year for main phone (8 hr/day)
\$240/year for spare phone (24 hr/day)

No effort required once installed.

Redeem balance after 30 days via PayPal.
Or Donate to a favorite cause.

Social media – links to Facebook, Twitter, Snapchat to announce earnings or donations. Share button in the app.

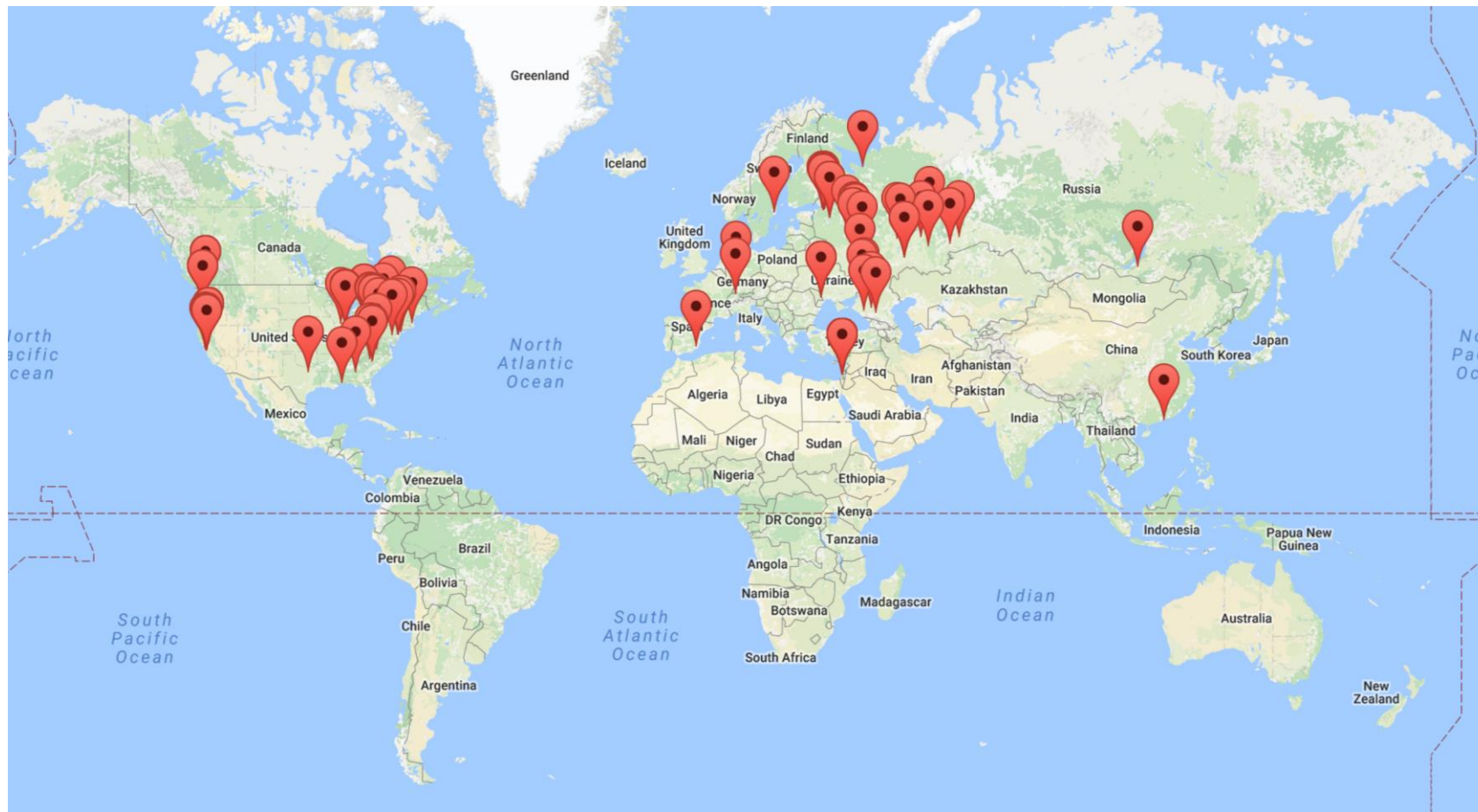
Now on Android. Not on iOS, for technical and legal reasons.

PhonePaycheck.com secured.

PhonePaycheck app launched on March 1, 2017



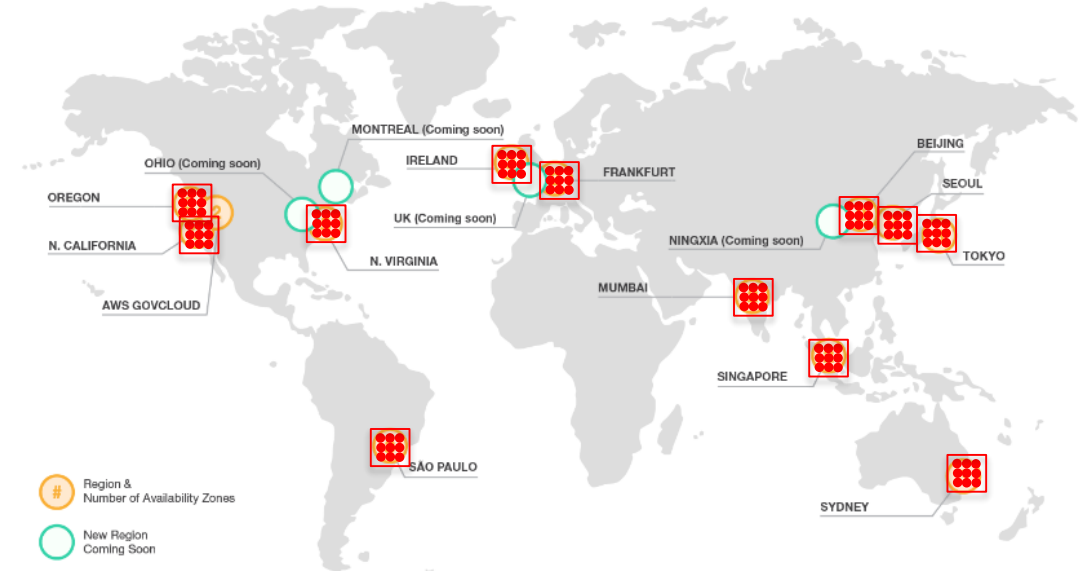
PhonePaycheck



Distributed Phones vs. Concentrated Servers



Phones can sense, act, compute, predict, learn, locally!



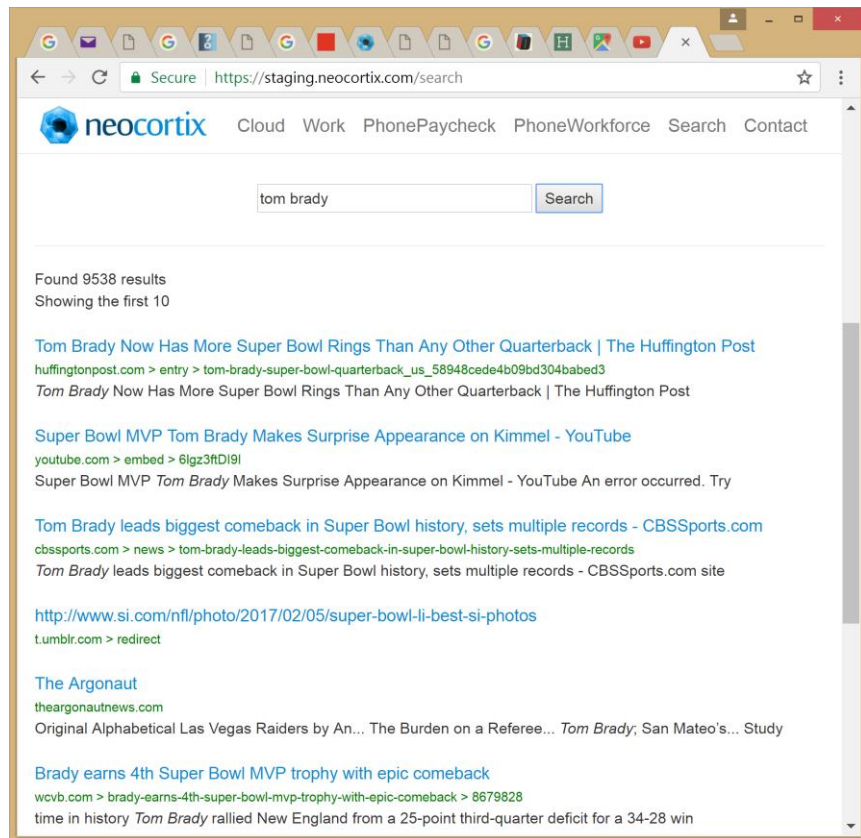
Servers are great for computing once the data is nearby.

**Neocortix is a new TYPE of Cloud Service
with different strengths and advantages**

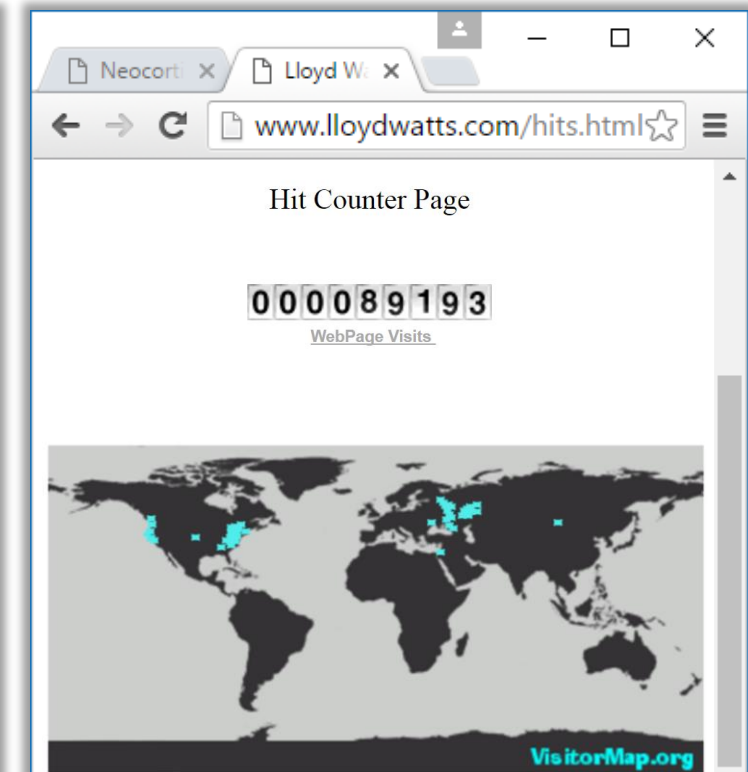
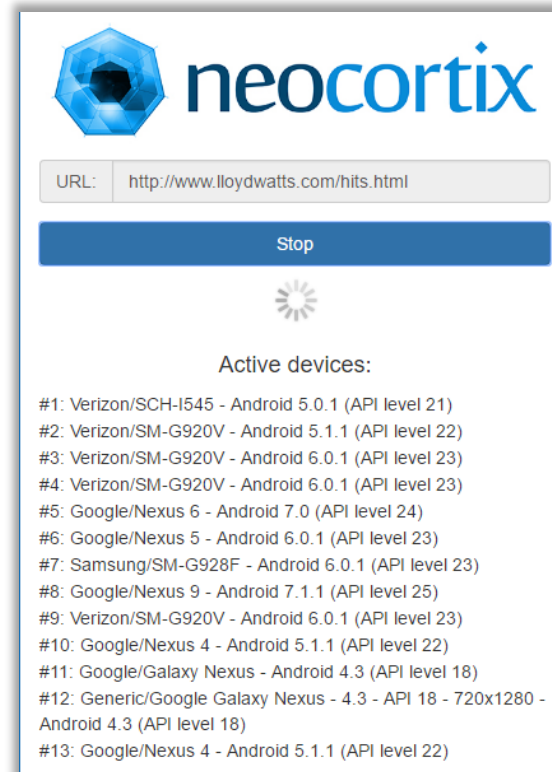


Applications

Search (Web Crawl)



Website Load Testing



Silicon Valley Needs To Share The Prosperity

THE HUFFINGTON POST

POLITICS 11/16/2016 09:01 pm ET

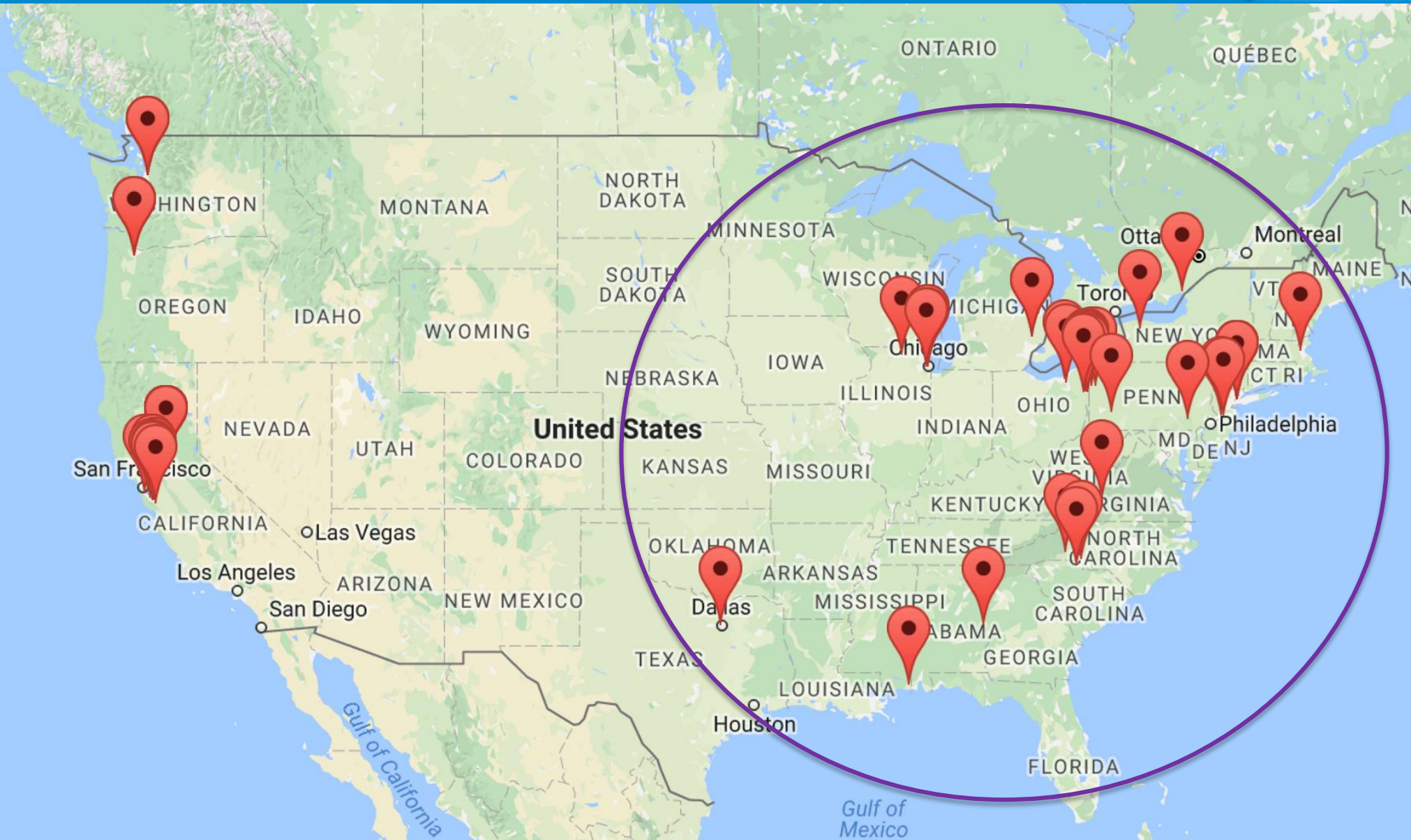
This Ohio Town Voted For Obama By Huge Margins. Then It Flipped To Trump.

What happened in Nelsonville was a microcosm of what went wrong for Hillary Clinton.

"There are no jobs in this town, and we're going bankrupt."

– Ed Mash, Nelsonville, Ohio

Thank you, Youngstown, Ohio!



Patrick McKenna
Jobs Across America

Tim Ryan

U.S. REPRESENTATIVE for the
13th District of OHIO



YOUNGSTOWN
BUSINESS INCUBATOR

THE
AVALON
Inn



PhonePaycheck



PhoneWorkforce



Commercializing Brain-Inspired Computing

NICE 2017

Lloyd Watts, Ph.D.
Founder and CEO
March 7, 2017

neocortix.com
phonepaycheck.com