

TRANSFORMING THE WORLD. DRIVING THE NATION'S COMPETITIVENESS. LEADING INTO THE FUTURE.

The Impact of NITRD

Two Decades of Game-Changing Breakthroughs in Networking and Information Technology — Expanding Possibilities Ahead

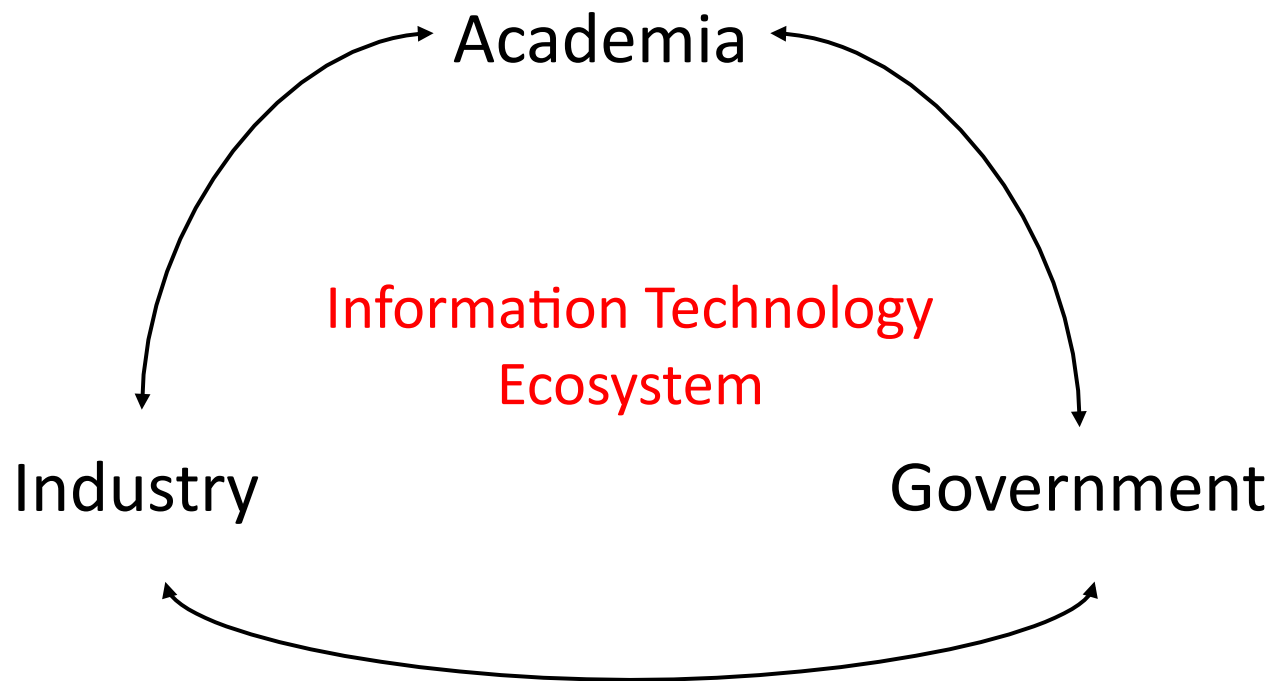


A Day in Your Life

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Carnegie Mellon University





Canon



Economic Impact

ORACLE



amazon.com



Walmart
Save money. Live better.

DELL

Google



FedEx

SanDisk

NVIDIA

YAHOO!

Microsoft

intel
Leap ahead



redhat



at&t

verizon

CISCO



ARROW ELECTRONICS, INC.



FLEXTRONICS
Where people make the difference.

Adobe

XEROX

CSC

EXPERIENCE. RESULT!

Akamai
The Business Internet.

NORTEL



Sun
microsystems

TANDEM COMPUTERS

Sprint

EDS

Netscape

ANALOG
DEVICES

Gateway

BROADCOM

MOTOROLA

AMD
Smarter Choice

Alcatel-Lucent

Agilent Technologies

QUALCOMM

Intuit



Societal Impact

iRobot

LinkedIn

NETFLIX

twitter

ebay

GROUPON

23andMe
patientslikeme

facebook



WIKIPEDIA
The Free Encyclopedia

skype

zynga

amazon.com

foursquare

ideeli

Nintendo

You Tube
Broadcast Yourself

flickr BLOG



gaia
online



friendster

travelocity

eHarmony



myspace.com
a place for friends

OnlineGames.net
THE FUN NEVER STOPS!



match.com
love is complicated. match is simple.

liveHarmony

BRIGHTPOINT
OnLine

Shopping.com



BETA
GuildCafe

EXTRA
FINANCIAL

1991

NITRD was created.



Sergey Brin was
a freshman in college.



Larry Page was still
in high school.



Mark Zuckerberg
was 6 years old.

A Day in Your Life:

20 Years Ago and Today

Waking Up



Turning on the Lights



Heating and Cooling Your Home



Home of Tomorrow

Cleaning the House



Making Phone Calls



Driving



Cars of Tomorrow



Walking

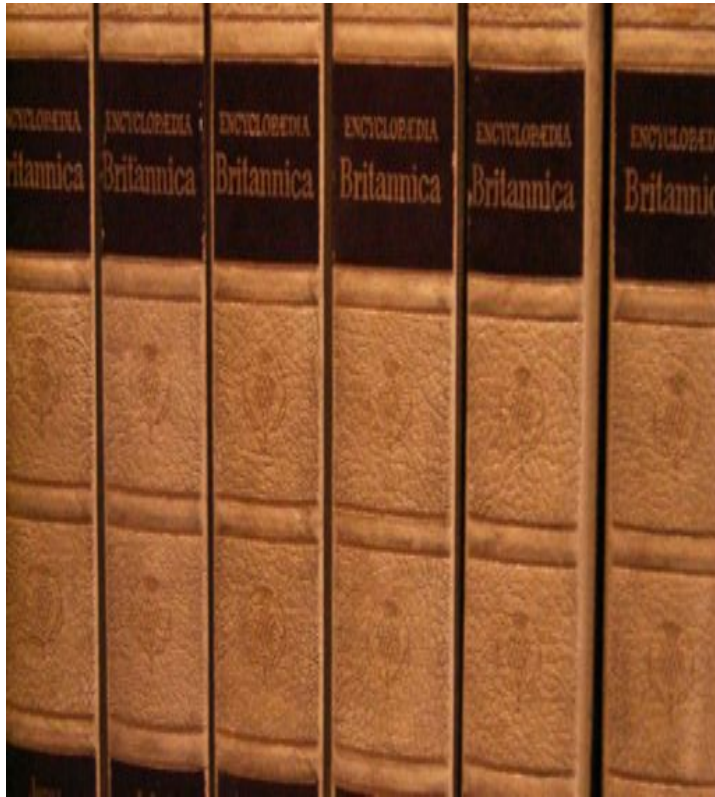


Navigating



Searching for Information

“Look it up.”



“Google it.”



Thinking



Pipelining:
How can I
maximize
throughput and
eliminate
backtracking?

Computational Thinker

At Play

Falling in Love



Reading Books



Listening to Music



Watching Movies



Shopping



amazon.com

ebay®

Save now on Valentine's Day gifts

Your Digital Items | Your Account | Help

GO



Cart


Wish List



Watching Sports



8:41 PM **Eli Passes**



8:40 PM Who knew Manchester United's Rio Ferdinand was an N.F.L. fan?

Adriana Machado SECONDS AGO
«Madonna Performing at Halftime loved Madonna

nags275 SECONDS AGO
GE Capital gets billions from the govt each year at 0% to gamble with in Private Equity

peterledner SECONDS AGO
«Jon Pareles on Madonna's Halftime Show Madonna's set was awesome

romogr06 SECONDS AGO
GE - 'ha! all of your jobs are in China & Mexico - give me a break...

yoodoggggg SECONDS AGO
ge knows eye protection

jwrb123 SECONDS AGO
Seinfeld, Madonna, Regis, The Donald... what year is this?

demitri LESS THAN A MINUTE AGO
i love seeing spoiled rich people fight to be first for a luxury item

844327768

Visiting Grandma and Grandpa



Visiting Grandma and Grandpa Tomorrow



Falling Asleep



At Work

Healthcare



Agriculture



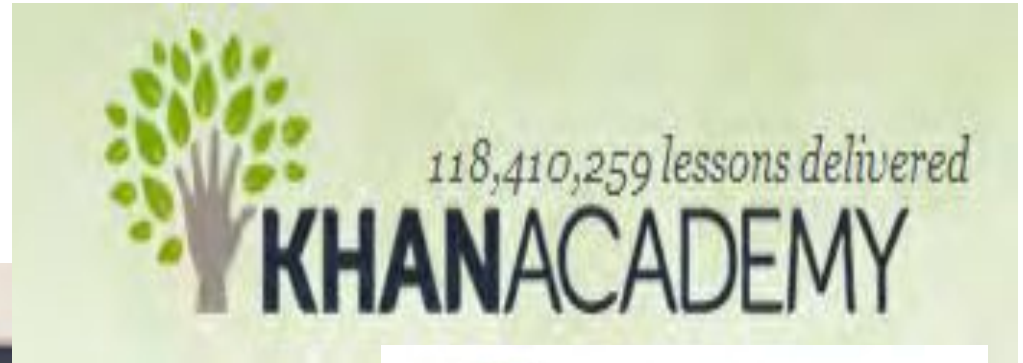
Engineering



Education



11973 [18] © www.visualphotos.com



Coursera

UDACITY

MITx

MITOPENCOURSEWARE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Carnegie Mellon University

 **Open Learning Initiative**

Mathematics: Proving Theorems



The polymath blog

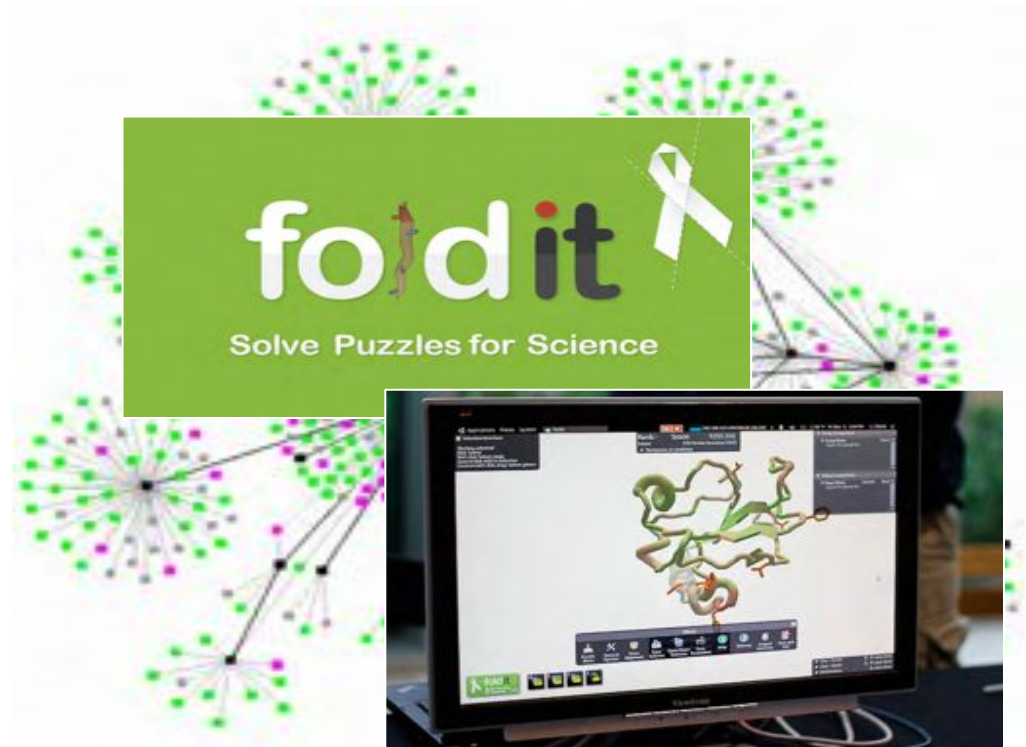


Gödel's Lost Letter and P=NP

Biology: Genetics



Biology: Protein Structure





Energy

Healthcare



Education



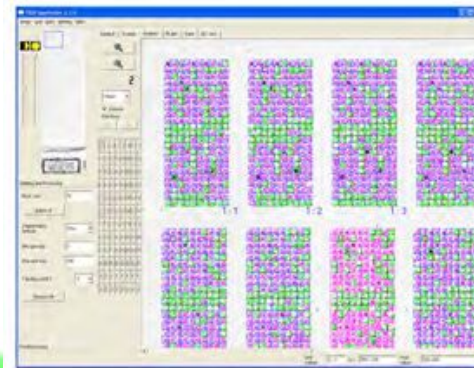
Entertainment

Information Technology
Impacts Our Daily Lives
and
Every Sector of Society

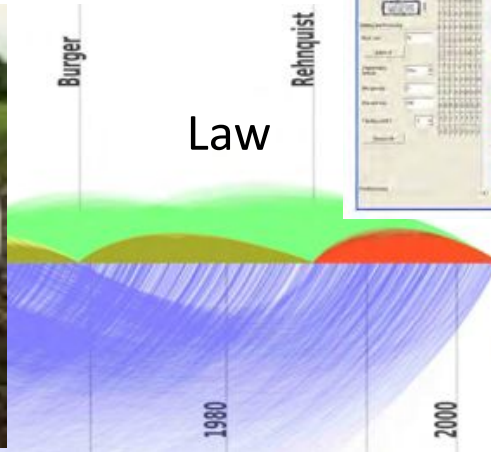


Agriculture

Transportation



Journalism



Law

Science

Manufacturing



20 Years Ago

Chrome, Firefox, and Internet Explorer didn't exist.

Amazon, Facebook, Google, Netflix, Skype, Twitter, and YouTube didn't exist.

Android, Blackberry, iPod, iPhone, iPad, and Kindle didn't exist.

Imagine your life without them!

Advances and US leadership in
information technology
have changed our lives
over the past 20 years.

Imagine what life will be like in another 20 years.

Today, you will get a peek at the future.

Thank You!

Outtakes

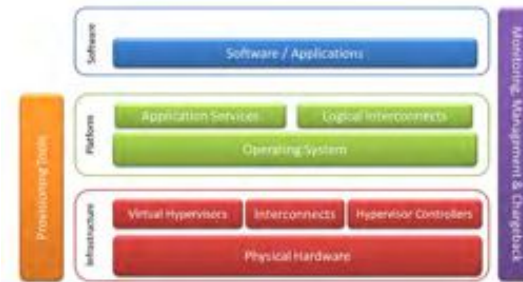
Dating



Boarding an Airplane



Thinking



Computational Thinker