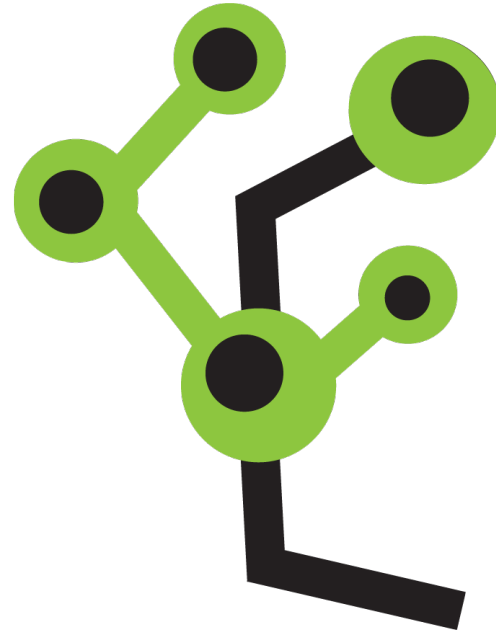# Social Change and Traditional CS Research Topics

Sam King
Code the Change

Agenda

- Sam's History
- Focus Areas
  - Biocomputation
  - HCI
  - Security
  - Artificial Intelligence
  - Games
  - Information / Databases
  - Education
  - Google / Facebook
- Conclusion

Sam's History: InSTEDD

InSTEDD

Innovative Support to Emergencies
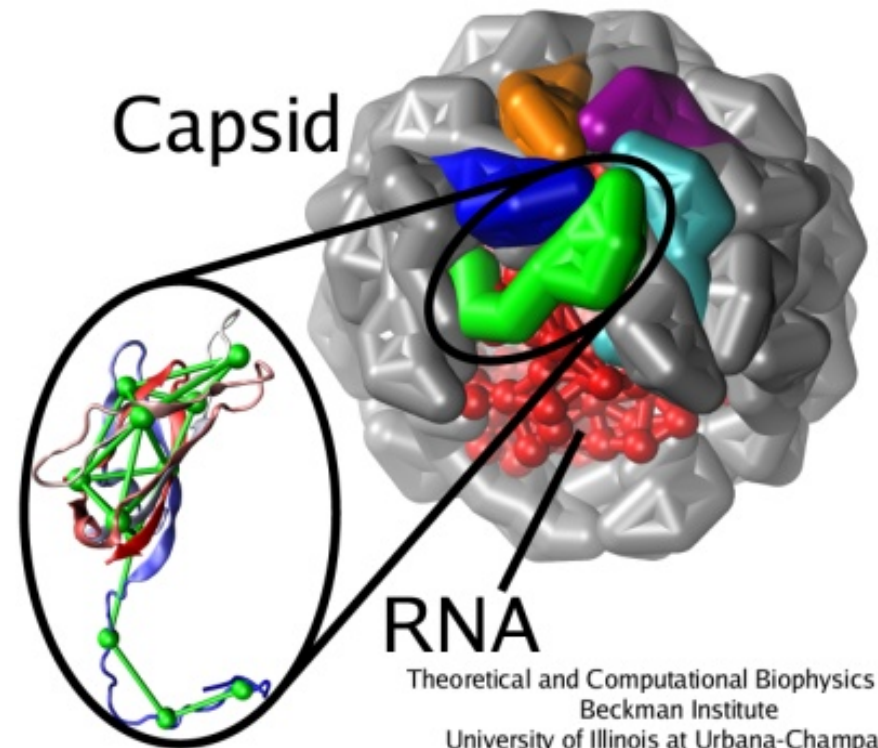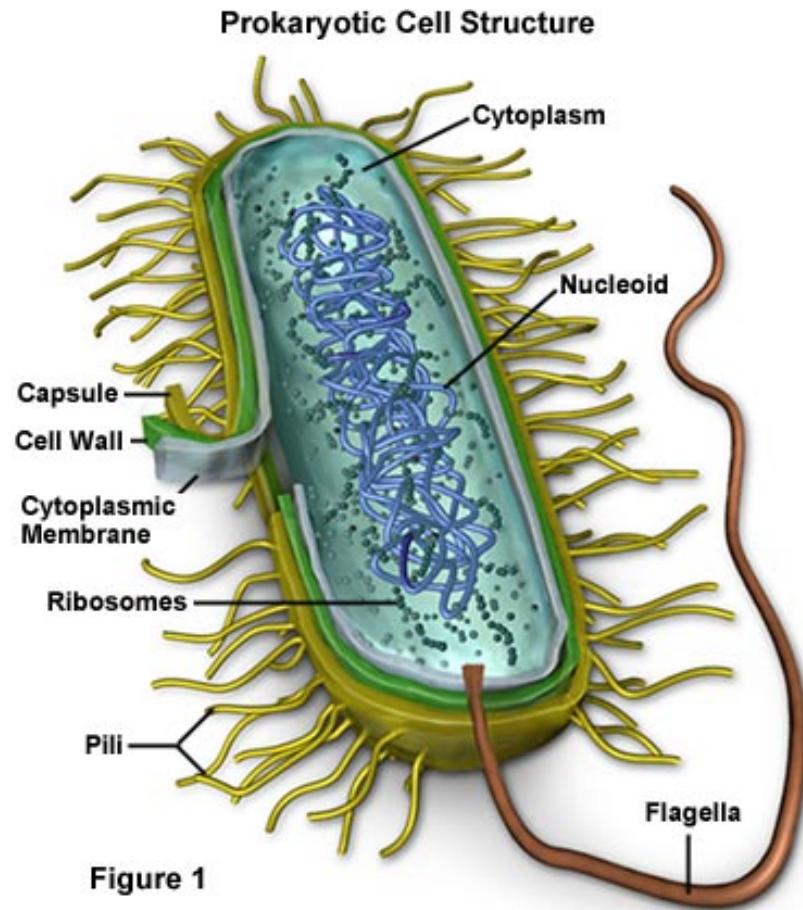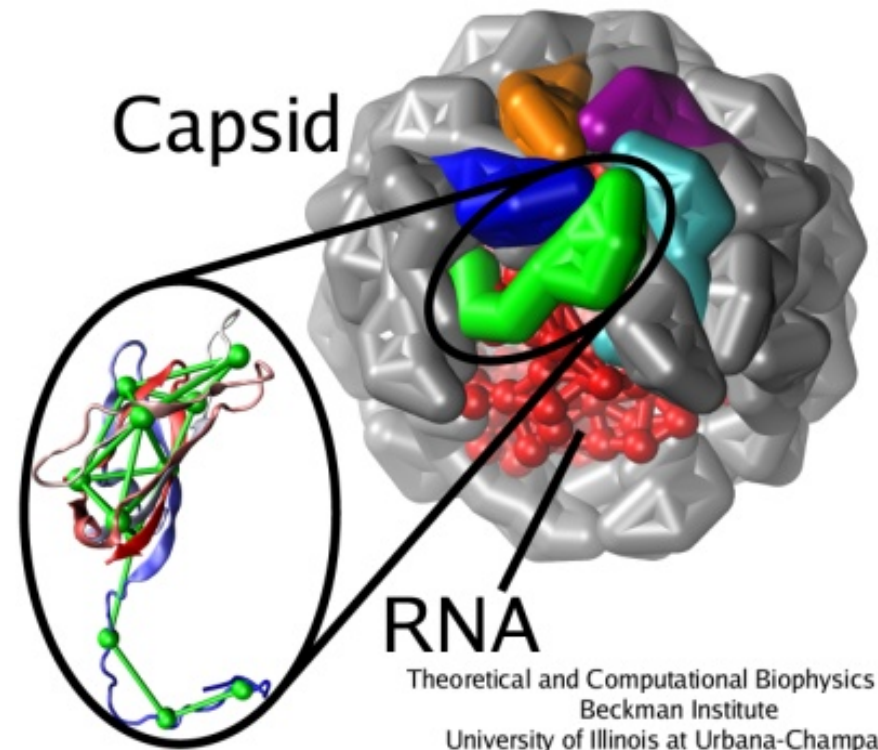Diseases and Disasters

Sam's History: Google.org

# Sam's History: Code the Change

Biocomputation: Bacteria, Viruses

Prokaryotic Cell Structure

- Cytoplasm
- Nucleoid
- Capsule
- Cell Wall
- Cytoplasmic Membrane
- Ribosomes
- Pili
- Flagella

Figure 1

Capsid

RNA

Theoretical and Computational Biophysics Group
Beckman Institute
University of Illinois at Urbana-Champaign

Biocomputation: Mad Scientists FTW
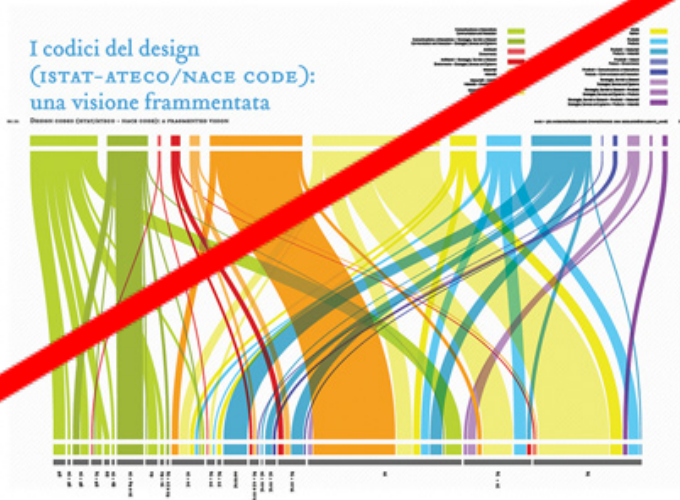
Capsid

RNA

Theoretical and Computational Biophysics Group
Beckman Institute
University of Illinois at Urbana-Champaign

HCI: Application Development
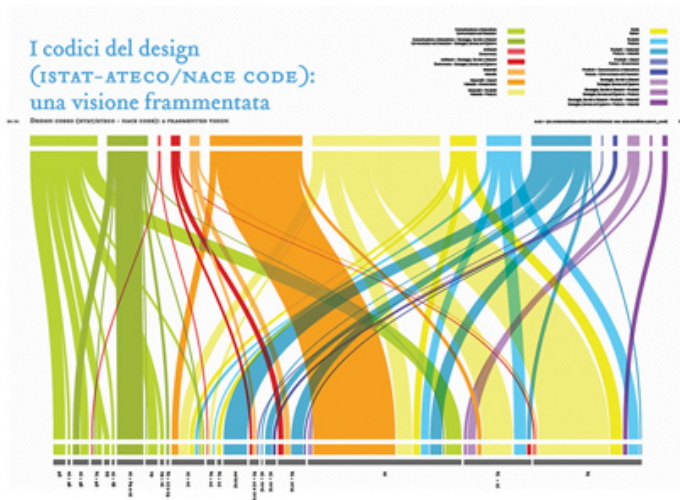
HCI: Application Development

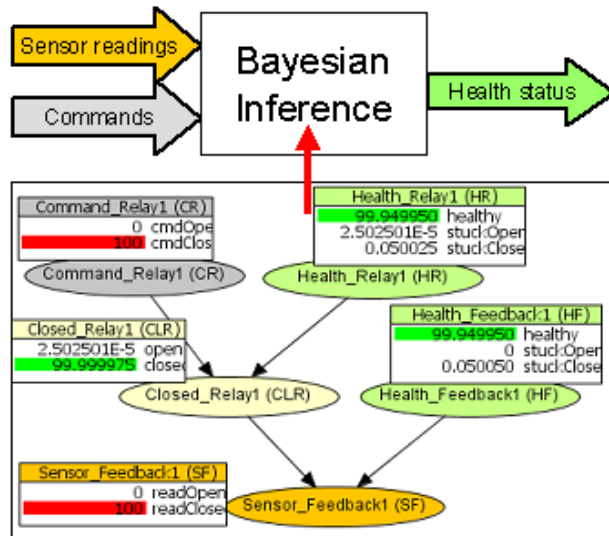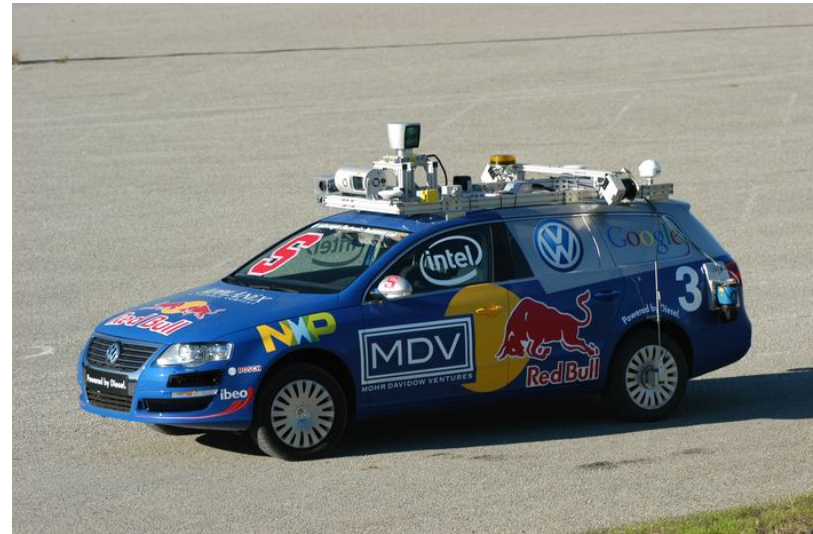# HCI: Research

Security

Security

Artificial Intelligence

Games
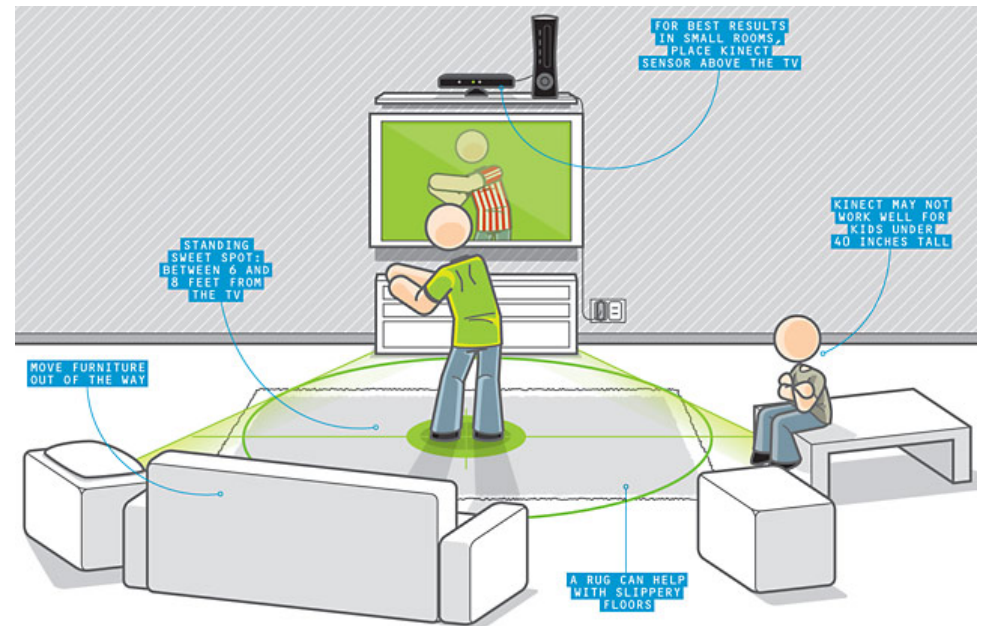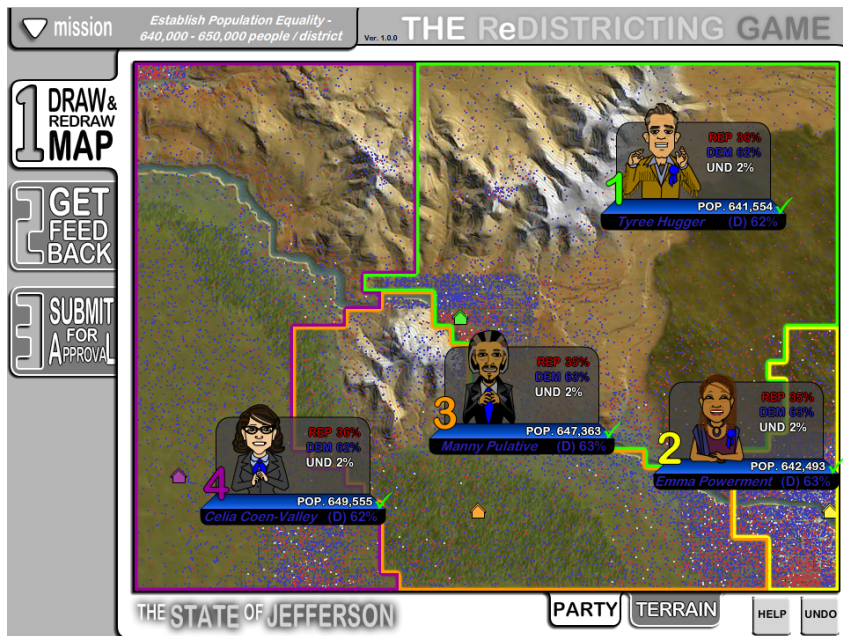
Education

Education

Big Corporations

Is World Peace Possible?
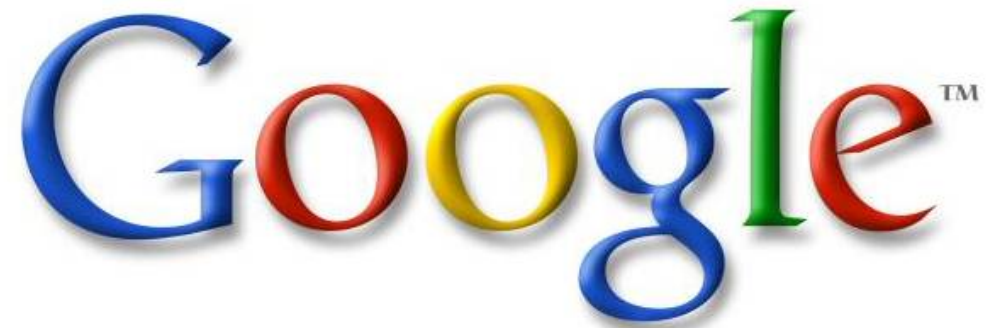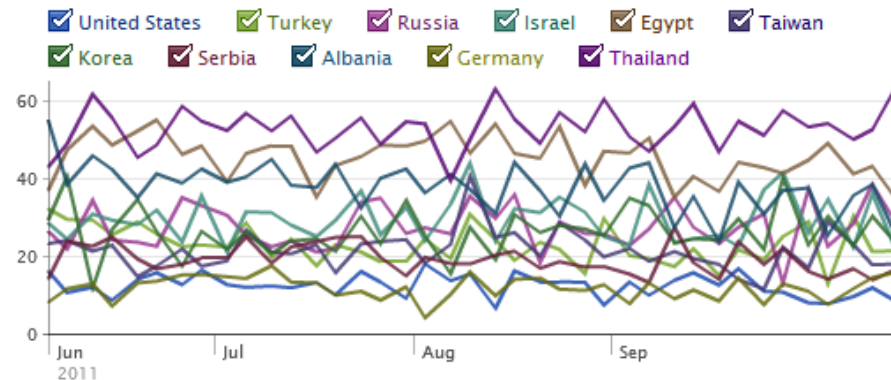
Every day, we ask thousands of people on Facebook in their own language:

" Do you think we will achieve world peace within 50 years? "

In the U.S., **8.11%** believe that we can. How can we grow this number?

☑ United States ☑ Turkey ☑ Russia ☑ Israel ☑ Egypt ☑ Taiwan
☑ Korea ☑ Serbia ☑ Albania ☑ Germany ☑ Thailand

www.ncbi.nlm.nih.gov
Pulmonary tuberculosis (TB) is a contagious bacterial infection that involves the lungs, but may spread to other organs. Symptoms: The primary stage of TB usually doesn't cause symptoms. When symptoms of **pulmonary** TB occur,...
Causes - Symptoms - Tests - Treatment - Prognosis - Complications - Prevention

Conclusion: The Sky's the Limit!

Experiment at a Code Jam (Next Saturday)!
Do Social Change Final Projects!
Internships and Jobs!
Travel the World!

Ask Me Questions!

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codethechange.org