

Wrap-Up

AAAI 2008 Spring Symposium on

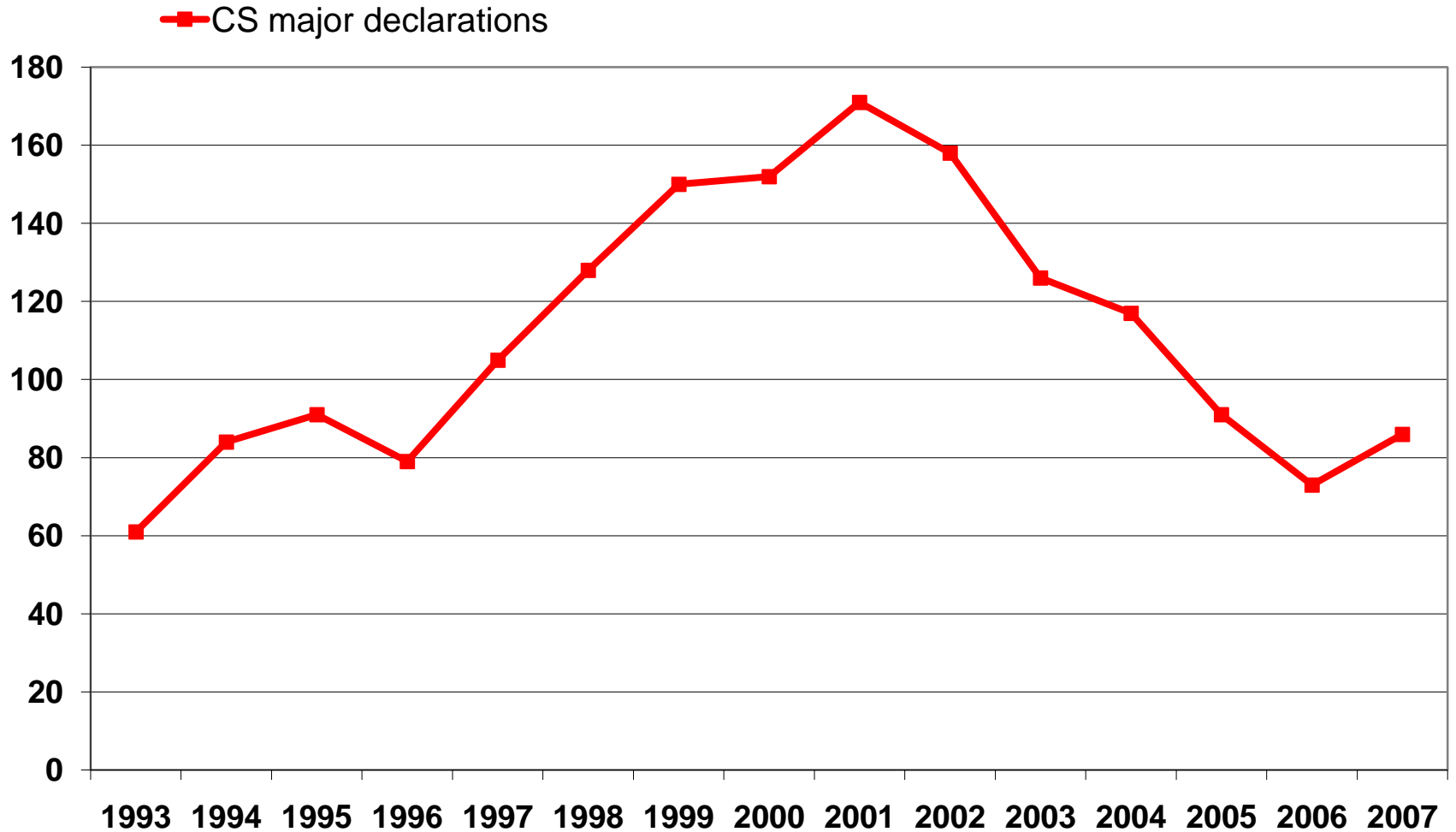
***Using AI to Motivate Greater
Participation in Computer Science***

Stanford University

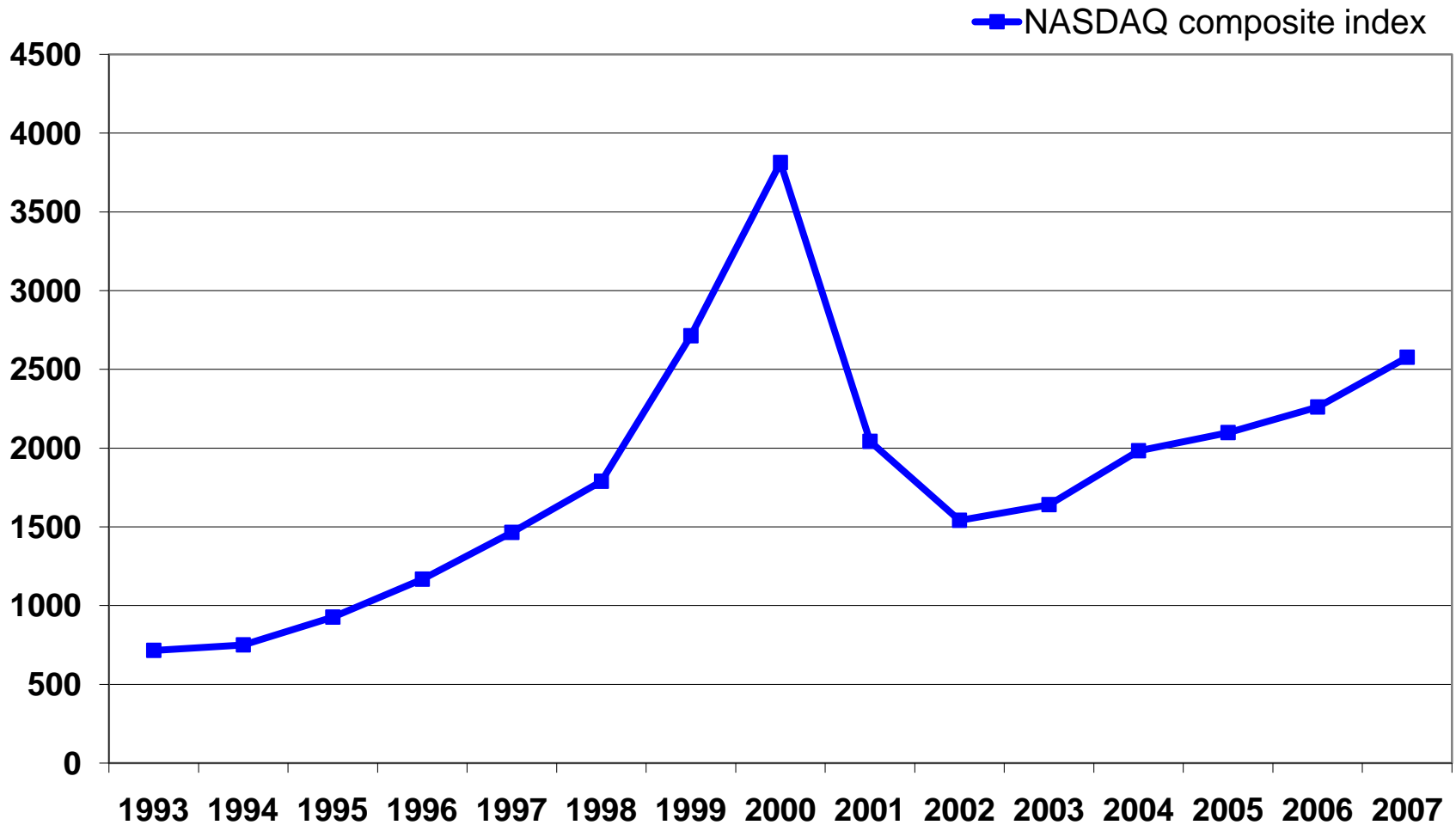
March 26 – 28, 2008

An Initial Observation

CS Declaration Data From Stanford



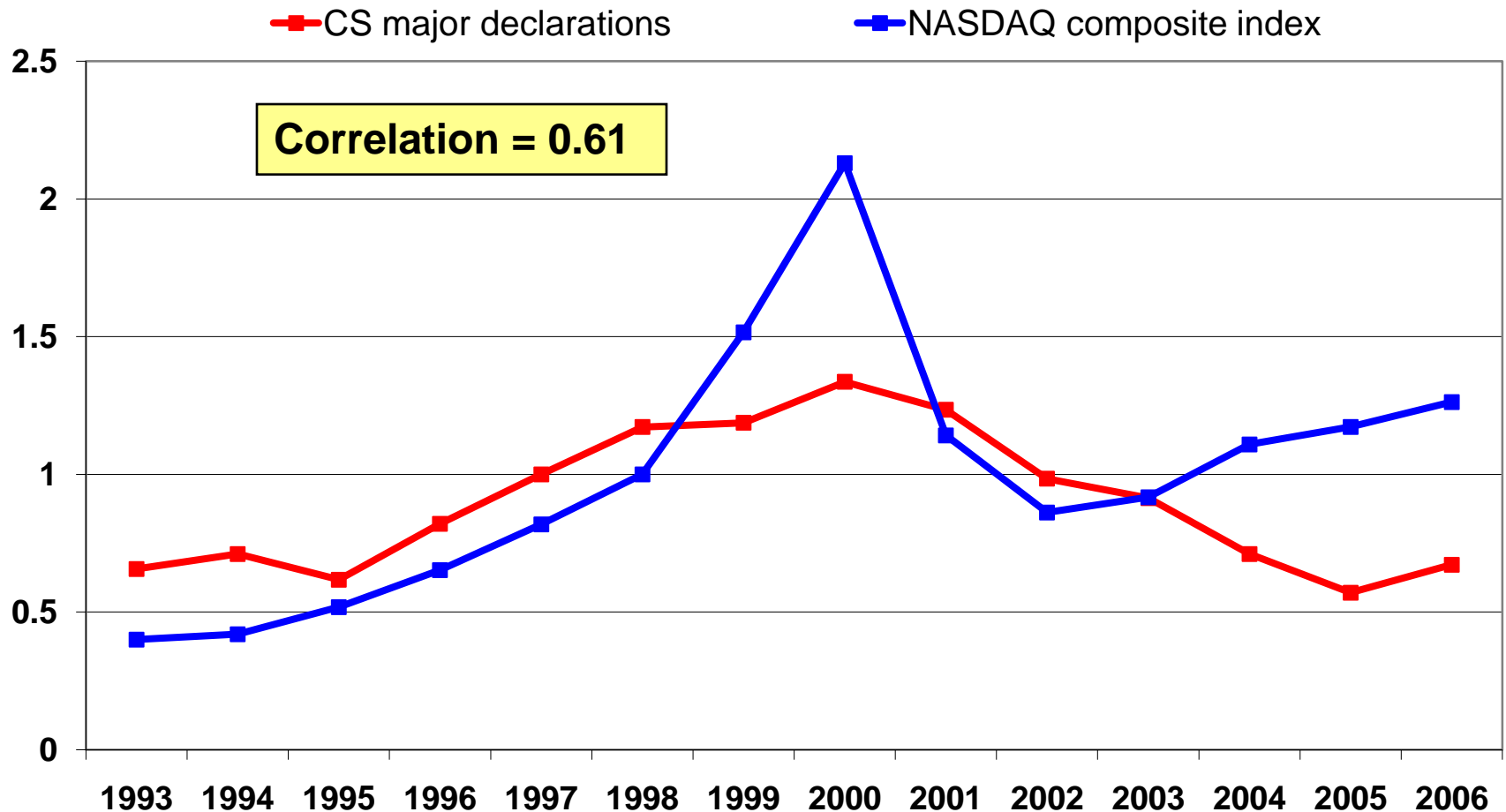
A Slightly More Well Known Graph



Source: Yahoo! finance

The Obvious Correlation

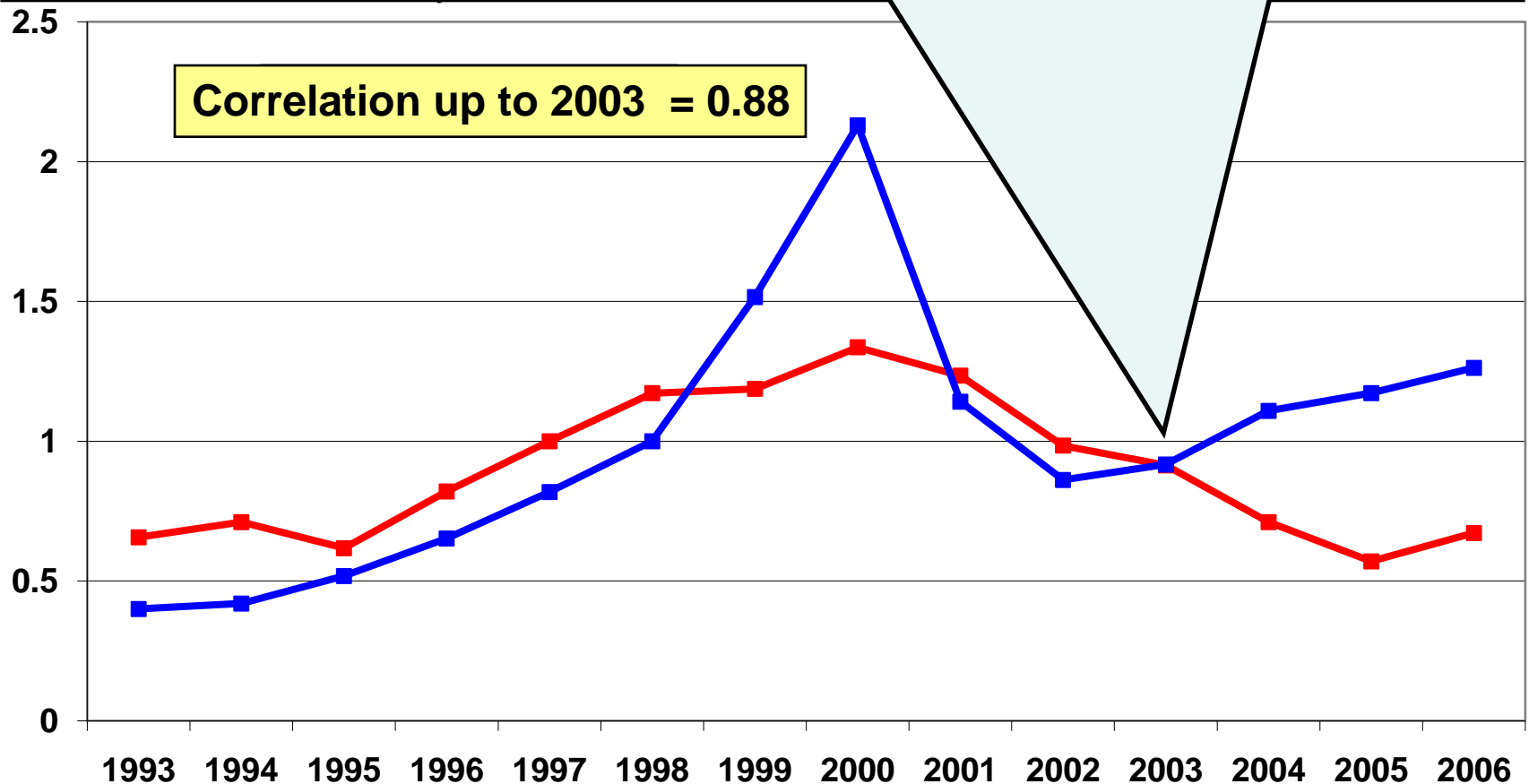
- Normalize both graphs by 1998 values
 - Adjust for a one year lag time in declarations



What Happened in 2003?

By 2003, ... sensational news stories appeared about a supposedly horrific loss of these [computer programming] jobs [due to offshoring].

-- The Washington Times, June 6, 2004



One Possible Solution



Just give us one more bubble...

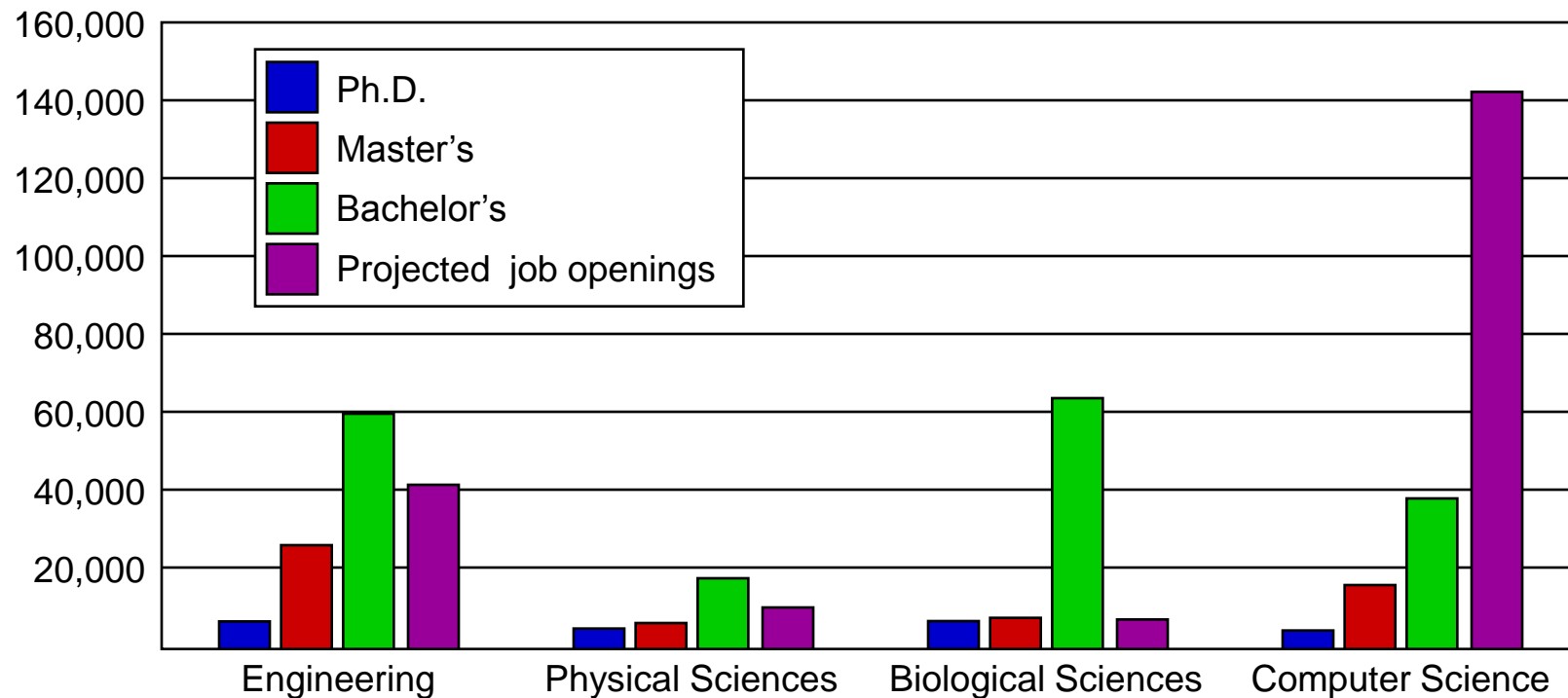
Actual bumper sticker seen in Palo Alto circa 2003

The Truth On Offshoring

- More IT jobs today in US than during boom
 - Despite significant increase in offshoring over past 5 years

Source: *Globalization and Offshoring of Software: A Report of the ACM Job Migration Task Force* (citing the Bureau of Labor Statistics), 2006.
- Confusion at the Bureau of Labor Statistics
 - Projected Job Growth from 2004 to 2014
 - “Computer programmer”: **below** average
 - “Computer scientists” & “software engineers”: **above** average
- Need to create awareness of “CS in the large”
 - CS is increasingly fundamental to work many fields
 - AI is an important part of that!

The Need is Real



Sources: Slide courtesy of Eric Roberts -- adapted from a presentation by John Sargent, Senior Policy Analyst, Department of Commerce, at the CRA Computing Research Summit, February 23, 2004. Original sources listed as National Science Foundation/Division of Science Resources Statistics; degree data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey; and NSF/SRS; Survey of Earned Doctorates; and Projected Annual Average Job Openings derived from Department of Commerce (Office of Technology Policy) analysis of Bureau of Labor Statistics 2002-2012 projections. See <http://www.cra.org/govaffairs/content.php?cid=22>.

Great Presentations

- Diversity of ideas
- Great projects
- Real world...
 - ...deployments
 - ...courses
 - ...impact
- Useful data gathered
 - Would be great to have even more
- Generated lots of enthusiasm
- Send me your slides
 - PDF or PPT
 - We'll post them on the Symposium web site
- Demos, demos, demos!
 - Across the hall
 - Starting right after this

Let's continue to fill the French Drain!

Thank You!