

# Scott Gilkeson

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DATA VISUALIZATION ✦ WEB STRATEGY ✦ PROBLEM-SOLVING

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## PROFESSIONAL PROFILE

- Focused on using data visualization tools and techniques to foster understanding in information-dense domains.
- User-centered IT consultant with 25+ years of experience in medical, intelligence, publishing, pharmaceutical, financial and other fields, guiding clients to realize the fullest potential of their IT investments and Web resources.
- Experienced team manager, encouraging creativity while providing strong direction, grounded in business fundamentals and watching the bottom line.
- Skilled problem-solver with the deep technical background and broad experience in business and government environments to overcome both technological and organizational barriers.
- Innovative and practical technologist developing ideas, products and solutions.

## PROFESSIONAL EXPERIENCE

- Created and refined Web-based data visualization and information sites for a wide range of topics, working with government statistical agencies and top management within them to ensure an accurate and understandable presentation.
- Consulted internationally for government and Fortune 1000 companies.
- Helped develop HyperTIES®, a pre-Web hypertext system.
- Created dozens of CD-ROM educational reference works for large publishers.
- Started the Washington, DC, office of Cognetics Corporation and managed it profitably for six years.
- Adjunct professor at the University of Maryland, home of the Human Computer Interaction Laboratory, a pioneer in advanced data visualization, online communities, and computing for children.

### *Selected Clients and Projects:*

- U.S. Census Bureau – Working with subject matter experts, developed public-facing Web tools for data visualization and tutorials to help users better understand the data and estimation process.
- NORC – Managed a partnership with University of Tennessee to create a cutting-edge economic development website, and helped NORC create visualizations for some of their longitudinal data.
- State of the USA – Chief Data Officer, responsible for acquiring data for a wide variety of indicators, working closely with government statistical agencies, and publishing a website to make statistics understandable and usable by a diverse audience.
- National Academy of Sciences – Created a conceptual design and initial prototype for a website focused on a collection of key indicators for the U.S.; worked with National Transportation Board and the Committee on National Statistics to facilitate communication of data analyses.

- National Cancer Institute – Coordinated presentation of statistical models and data for widespread understanding and use; conducted requirements gathering and design of an award-winning web site focused on comprehensive cancer control planning; information architecture design, requirements gathering and usability testing for numerous websites.
- Lupus Foundation of America – RFP analysis and development for a complete website redesign; vendor evaluation and selection.
- In-Q-Tel – Needs assessment for various groups within the intelligence community; interface review and design for a variety of products, prototypes and presentations, particularly with regard to finding complex patterns in data.
- CareScience – Concept development and user interface design, with a distributed team, of a pioneering medical records online access system.
- Elsevier Science – Conceptual design for a medical journals web site, including search, personalization, and transaction functions.
- Discover Financial Services – User requirements and interface design of call center software used by 5,000 collections and new accounts managers.
- Novartis Consumer Health – Lotus Notes-based global corporate communications and information system.
- Gale Research – Design and development of Gale's first library-oriented, information-rich reference CD-ROMs for PC and Macintosh.

## PROFESSIONAL HISTORY

- Independent Consultant, January 2005 to present
- Adjunct Faculty, University of Maryland Computer Science Department, 2014 -
- Chief Data Officer, State of the USA, Washington, DC, 2008 - 2010
- Director of Design, Cognetics Corporation, Silver Spring, MD, 1998–2004
- Principal Consultant, The Gilkeson Group, Silver Spring, MD, 1989–1998
- Consultant, Quyen Systems, Inc., Gaithersburg, MD, 1988–1989
- Programmer, Telenet, Inc., Reston, VA, 1987–1988 and Dynatech, Inc., Springfield, VA, 1985–1987

## EDUCATION

- Master of Science, Computer Science, George Mason University, Fairfax, VA, 1992
- Bachelor of Science, Computer Science, James Madison University, Harrisonburg, VA, 1984, summa cum laude

## PUBLICATIONS AND PRESENTATIONS

- Shunpu Zhang, Jun Luo, Li Zhu, David G. Stinchcomb, Dave Campbell, Ginger Carter, Scott Gilkeson and Eric J. Feuer. "Confidence intervals for ranks of age-adjusted rates across states or counties", *Statistics in Medicine* Volume 33, Issue 11, pages 1853–1866, 20 May 2014
- National Academy of Sciences Data Visualization Panel, June 22, 2011
- Community Indicators Consortium Annual Conference, "New Tools for Data Visualization", October 1-2, 2009
- Tech 2000, "A Look at the Future: Online Newspaper," sponsored by AT&T, 1993 – 1995.
- Various graphical user interface design talks and courses in the US and Europe.