

Kenneth E. Harker
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Objective Full-time position working on exciting high-touch consulting projects, either independently or as a member of a small, agile team. Available immediately.

Skills

- Very strong geographic and geopolitical knowledge.
- Good analytical and research skills.

- Excellent interpersonal skills, providing leadership and team support.
- Excellent organizational skills.

- Excellent written English communications skills.
- Results-oriented, independent worker.

- Development environments and system administration on UNIX, Windows platforms.
- Perl, C, C++, Tcl/Tk, Berkeley DB, awk, make, PostScript, shell scripts.
- MySQL database design and development including Perl DBI.
- Internet protocols, technical standards, political structures, and best practices.

Employment *June 2000 - Present*

Experience **Keynote Systems, Inc./Xaffire, Inc./Matrix NetSystems, Inc.**, Austin, TX.
Research, rapid prototyping, custom programming, and technical analysis related to network and Internet performance.

2004-2005: Responsible for system development of Traffic Perspective service offering. Responsibilities include features definition, project management, database design, code development, sales support, and customer relations management.

2003-2004: Responsible for consulting opportunities. This has included the design and implementation of algorithms and processes for generating sets of Internet host nodes that represent accurate samples of customers, clients, Internet business units, specific networks, and more.

2000-2003: Led project to algorithmically determine the geographic locations of Internet hosts. This project involved system design, algorithmic prototyping, programming, analysis, quality assurance, and customer feedback. The technical progress was iterative and adaptive, and the direction was often changed to meet the needs of other projects.

Non-technical responsibilities have included cross-departmental team leadership, documentation, and internal education.

[Matrix NetSystems, a start-up company, merged with Alignment Software, Inc., in April, 2003, briefly becoming Xaffire, Inc. Keynote Systems, Inc. acquired the Austin business unit of Xaffire in December, 2003. Previous names of the start-up company during my period of employment include Matrix.Net, Inc. and Matrix Information and Directory Services, Inc. (MIDS)]

Employment *May 2000 - Present*

Experience **TR LOG: Contest Logging Software by N6TR**

Web Marketing specialist for independent specialty real-time software company.
Created, maintain, and update international ecommerce web site.

May 1999 - May 2000

Zebra Imaging, Inc., Austin, TX.

Computer graphics and systems R&D. Designed and programmed custom software that was used to create full color, wide angle, dynamic holograms from computer generated imagery and digital video. 3D hard-copy holograms were created with a mechanical printer that used computer graphics to modulate laser light onto exposed film.

Summer 1998

Virtual Reality Lab, Naval Research Laboratory, Washington, D.C.

Researcher in the field of multimodal interface and communications architecture design for the Virtual Reality Responsive Workbench. The research project focused upon improving the interface to a distributed, real-time battlefield visualization system.

Fall 1996 - Spring 2000

Department of the Computer Sciences, University of Texas at Austin, Austin, TX.

Teaching Assistant for graduate and undergraduate Computer Graphics. Responsible for teaching lab and discussion sections, and occasional classes.

Education **University of Texas at Austin**, Austin, TX.

1997 Master of Science in Computer Science. Recipient of an MCD Fellowship for graduate study.

Dartmouth College, Hanover, NH.

1995 Bachelor of Arts. *Cum laude* with Honors in Computer Science. Double major in Computer Science and Asian Studies.

**Other
Interests**

- Federally-licensed Amateur Radio operator, call sign WM5R.
- Active member of the American Radio Relay League.
- Active member of the United States Orienteering Federation.
- Active recreational and transportation cyclist.

References Kirsten Husak, Former Manager, Keynote Systems
khusak@sbcglobal.net +1-512-694-3685

Peter H. Salus, PhD, Internet Historian and Expert.
peter@netpedant.com +1-512-478-7562

Donald Fussell, PhD, Former Chief Science Officer, Xaffire Inc.
fussell@cs.utexas.edu +1-512-627-7659

John S. Quarterman, Entrepreneur, Dvorak Man of the Year 1996.
jsq@quarterman.com +1-512-658-7169

