

## **Summary**

Innovative problem-solver with strongest talents in communication arts, leadership, people skills, and technology. Proven record of excellence and creativity in communication – written, spoken, and visual – across a broad spectrum of disciplines and topics.

## **Objective**

Opportunities to lead projects that combine writing or editing with photography and graphic design, especially for delivery via the Internet, stand-alone computers, or other electronic media.

## **Communication Achievements**

Accomplished writer and editor of technical papers, newsletters, magazine columns, contract proposals, training manuals, reports, and promotional materials. Producer of two cable television series comprising 75 programs. Confident public speaker on radio, television, training programs, and technical forums.

- Edited the 525-page *Tactical Missile Signature Measurement Standards Handbook*, published in 1996 by the Environmental Research Institute of Michigan (ERIM) for the Infrared Information Analysis (IRIA) Center. Wrote the entire first chapter as well as the introductions (executive summaries) for all other chapters. Substantially rewrote major sections on measurement and analysis procedures and coordinated the revisions with leading scientists and engineers nationwide to improve clarity and readability. Recognized by the customer for superior performance and critical contributions to the overall project.
- Edited, published, and distributed *Albuquerque Firefighter*, the monthly union newsletter for Local 244 of the International Association of Firefighters (IAFF). Dramatically improved the quality and timeliness of union communication with its members. Edited and published a handbook for the union's contract with the City of Albuquerque.
- Researched and wrote *New, Lower Estimate for Soils Contaminated With Secondary Explosives and the Associated Implications*, a technical report on environmental remediation requirements for the U.S. Army Environmental Center (USAEC) and the Strategic Environmental Research and Development Program (SERDP). This comprehensive report had significant ramifications for the renewed funding of cleanups at EPA Superfund sites.
- Four years as the editor of "The 2% Solution" (a monthly opinion column) and the "Letters" section of the *Mensa Bulletin*, a 50,000-circulation magazine for American Mensa Ltd. Recognized as one of four outstanding contributors over an eight year period.
- Major contributing author for three successful contract proposals: the U.S. Naval Reserve Multimedia Advanced Training Equipment (MATE) project, the Air Force Operational Test & Evaluation Center (AFOTEC) General Support Contract (GSC), and the Covert Surveillance System (CSS) proposal. For the CSS project, developed and promoted the system concept for use by military, intelligence, and law enforcement organizations. My proposal for the initial technical studies to support system prototyping was lauded for its clarity and conciseness. The first production phase of this program has a sales potential of \$2 million to \$5 million.
- More than seven years experience editing various small newsletters, including *Utah Synapse*, *Menzia*, *FATHERS*, *Rumbling Drums*, and *The New Mexico Racewalker*. Contributor to the *Internet Informer* (New Mexico Internet Professionals Association), *Bright Ideas* (American Mensa Gifted Children SIG), and *Family Resources Directory* (New Mexico Teachers' Review).
- Researched and wrote "Model Assessment", a technical report on modeling and simulation resources for the Airborne Laser (ABL) test & evaluation (T&E) program. Created a comprehensive modeling flow diagram to document the required interactions between physical phenomena, system components, propagation environment, and combat elements. Also

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created a widely-adopted graphical overview of these model elements for technical presentations to executive leaders in Washington, DC.

- Developed and wrote the analysis plan for the Joint Theater Missile Defense (JTMD) Attack Operations (AO) Joint Feasibility Study. Adapted exploratory data analysis techniques to create a robust, flexible methodology. Recipient of a special Quality Management award for outstanding contributions to this high visibility national program.
- Designed a marketing poster to promote a cultural tour to Brazil, taking only six hours to complete it. As a direct result, sales soared from only 17 initial participants to 47 within one month. Tour organizers from a national travel agency applauded the exceptional copy writing, visual appeal, and overall effectiveness.

### **Leadership Highlights**

Natural “take charge” personality enables me to effectively lead people in unknown territory, tackle new challenges, and capitalize on emerging opportunities. Agile and energetic.

- Adaptable to changing requirements and priorities on high-pace projects; can negotiate new resources, relationships, and procedures, without losing sight of critical, long-range goals.
- Comfortable about asserting a strong personal vision and strategy, yet confident to encourage open, constructive dialogue about alternative views and approaches.
- Adept at shifting between tactical and strategic roles. Flexible enough to lead by example, but willing to work on routine tasks as needed to instill confidence among team members. No job is too daunting, but no job is “beneath me” either.
- Flexible about traveling to distant locations to establish or support nationwide programs. Have led teams of 3-20 specialists on assignments in both hemispheres.

### **People Skills**

Outgoing, outspoken, and daring in groups, yet supportive and helpful on a personal level. Great sense of humor and positive outlook. Skilled mediator lauded by court and civic officials.

- Confidence to finesse myself into new forums, working groups, or organizations to observe, contribute, and even guide proceedings.
- Persuasive personality that challenges colleagues to explore new perspectives, procedures, and goals, and to tackle difficult projects.
- Greatly enjoy facilitating connections between people to foster productive relationships across a wide spectrum of disciplines, interests, and endeavors.

### **Technology**

Broad background in engineering, science, mathematics, and technology enables me to quickly come up to speed on new projects.

- Innate ability to visualize how basic principles might be used to solve a problem – without necessarily being the subject matter expert. Adept at asking “the right question(s)” for clarity.
- Excellent troubleshooting skills; well-rounded computer expertise.

### **Innovation**

Easily foresee the importance of emerging technologies, their relevance to addressing new or old problems alike, and the long-range implications for business and society.

- A generalist, rather than a specialist, who quickly grasps complex technical concepts to assimilate them into promising solutions; accurately envisions future commercial applications.
- Confident to take reasonable risks, make quick decisions, and act with a minimum of planning.
- Easily able to “think outside the box” while working “within the system”.

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### Professional Experience

My diverse life experiences have resulted in solid, interdisciplinary talents that allow me to write effectively and authoritatively on a variety of topics. Over 35 years, I have worked in:

- Business development
- Modeling & Simulation; computer programming
- Audio recording and editing
- Photography, graphic design and printmaking
- Statistical, scientific, and operations analysis
- Security and intelligence
- Test management, planning, execution, and reporting
- Engineering and technical management
- Television and video production
- Writing, editing, and public speaking
- Fund raising
- Training and education
- Mediation, facilitation, and meeting/conference organization
- Crisis intervention, suicide prevention
- Team and organizational leadership

### Education

- Graduate studies, Applied Statistics, Utah State University, 1981-88
- BSEE, Electrical Engineering, University of Utah, 1984
- BA, Mathematics & Philosophy, University of Wisconsin - Whitewater, 1975
- Additional courses, seminars, or self-study in statistics, engineering, project management, television & video production, printmaking, Internet technologies, computer applications, computer networking & administration, and languages (German, Spanish, Russian, Vietnamese, & Portuguese)

### Professional History

- Alliant Techsystems Inc. (ATK), 2004-2006  
*(Engineer, Analyst, Technical Editor, Business Developer)*
- Mission Research Corporation, 1999-2004 *(acquired by ATK in 2004)*  
*(Engineer, Modeling & Simulation Analyst, Operations Research Supervisor)*
- City Pages Communication & Information Services, 1997-1999  
*(Editor, Graphics Designer, Publisher, Web Designer)*
- Mediation Professionals, 1995-1999  
*(Mediator, Meeting Facilitator, Business Manager)*
- TRW Government Information Services Division, 1993-1997  
*(Senior Analyst, Technical Editor, Researcher)*
- United States Air Force, 1977-1993  
*(Maintenance Supervisor, Team Chief, Engineering Manager, Lead Analyst, Trainer)*
- JJG Construction Company, 1975-1976  
*(Security Supervisor)*
- Walworth Security Corporation, 1972-1975  
*(Security Supervisor)*
- United States Army, 1968-1971  
*(Linguist, Intelligence Operator)*
- various security clearances (Secret, Top Secret, TS/SCI, and DOE Q) since 1969