

JEREMY HORNE
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OFFERING

Systems analysis and scientific research/writing
Currently working on Verification, Validation, and Accreditation Issues in
Modeling and Simulation Programs

HIGHLIGHTS OF QUALIFICATIONS

- Analysis of Large Scale Systems Integrity
- Published Logician and Systems Analyst
- Documentation Development Life Cycle analyst
- Technical researcher, writer, and illustrator
- Certified Teacher/trainer – logic, critical thinking
- Speak/read/write Spanish; read French
- Research design and statistics
- Grant and proposal writer

PROFESSIONAL EXPERIENCE

Senior Writer and Interoperability Specialist. Contracted to RhinoCorps, Ltd., Albuquerque, NM, 2002 to present

Project: Document software development process of the White Sands Missile Range Target Control System (TCS) according to the Department of Defense-adopted standard IEEE 12207, Rational Unified Process, Uniform Modeling Language (UML), and interoperability criteria. Created documentation systems development life cycle (DSDLC). I also am creating user guides, training material (with micromovies), procedures, and all other documents associated with the project. All documents are indexed and hyperlinked.

Senior Writer. Contracted to Manpower Professional, El Paso, TX, 2002.

- Researched and wrote software requirements specification (SRS) for U.S. Multi-service Target Control System (MSTCS)
- Researched and integrated into target control system SRS military interoperability and standards requirements
- Assisted in proposal writing to obtain contracts
- Established problem tracking system for IT contractors at Dona Ana County, NM tax assessors' office
- Created hyper linked reporting and analysis system for IT contractors

Senior Writer. Contracted to Taylor Technical Publications, Scottsdale, AZ, 2001.

- Developed complete training program for personnel operating wafer testing device
- Wrote user manuals – Operations, Installation, Troubleshooting
- Wrote maintenance and testing procedures for wafer testing device
- Tested documentation
- Took and incorporated camcorder images into documentation
- Created digital library of over 500 images of wafer testing device

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Adjunct Internet Philosophy Instructor. New Hampshire College, 2000

- Taught courses in philosophy, using *Blackboard* 4 and 5

Senior Writer. Contracted to ABLEST, Phoenix, AZ, 2000.

- Re-organized directory structure for Salt River Project MIS Conversion project
- Created PowerPoint presentations to orient staff to new directory structure

Senior Writer. Contracted to ACS, Phoenix, AZ, 2000.

- Wrote user manuals for software to run computer chip manufacturing process
- Loaded into computer and became familiar with iGraphx program to create graphics for incorporation into documents.

Independent Contract Writer. Telecommuting. 1993 - present.

- Perform research and write grants
- Wrote user guide for Data General UNIX-based editor
- Wrote articles for fiber optics and educational publications
- Wrote technical material for Institute of Electrical and Electronics Engineers (IEEE) 802.8, Fiber Optic Technical Advisory Group (FOTAG)
- Wrote successful proposal for Tohono O'Ohdom Nation to have Border Volunteer Corps do housing rehab/construction on reservation for 1994 - 1995

Senior Writer. Self-contracted to Avanti Corporation, RTP, NC, 2000.

- Prepared user guide for integrated circuit design software (Hercules, Explorer, and Enterprise - also used in Milkyway and Cadence environments)
- Created Framemaker templates, including tag set for documents
- Devised ISO-900 compliant revision check system for software documentation
Created illustrations for various manuals

Senior Writer. Contracted to Microsoft, Charlotte, NC, 1999-2000.

- Wrote Knowledge Base articles for Windows NT bug fixes
- Wrote bug reports as they are discovered in software

Senior Technical Liaison/Writer. Contracted to Broadband Technologies, RTP, NC, 1999.

- Key contributor to capacity engineering approach for telephony equipment
- Active member on team to review primary network architecture document
- Contributed to re-shaping of Product Requirements Document
- Actively participated in planning and engineering workgroup

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- Established centralized company glossary of telecommunications terms in accordance with ISO standards and collecting glossaries from main standards organizations
- Worked with company standards engineer to collect glossaries from main standards organizations
- Created customer manuals for telephony equipment
- Researched information and developing manuals for switching equipment technical specifications
- Gave major input to acquiring Element Manager product
- Performed research, development, and testing for Element Manager product

Senior Technical Writer. Contracted to State Communications, Greenville, SC, 1998- 1999.

- Created and tested user manuals for telephone operator order entry and accounting system
- Placed manuals in RoboHELP format and linking files to Visual Basic software
- Worked with team on total software development plan to be managed by Rational Rose

Senior Technical Writer. Contracted to NC Department of Transportation, Raleigh, NC. 1997 – 1998.

- Documented NC DOT equipment and inventory software on IBM 3270 mainframe
- Created flowcharts in VISIO of IBM 3270 JCL Programs
- Created own HTML editor
- Updated NC DOT's manuals and placed them on the DOT website

Senior Technical Writer. Contracted to American Express, Phoenix, AZ. 1996-1997.

- Documented AMEX Internet software, much of which ran on AS 400s
- Created on-line manuals for Information Processing Center Mid-Range Operations staff
- Worked with Standards department to ensure documents were ISO 9000 compliant
- Initiated project to have all of Mid-Range Operations documentation on the AMEX Intranet Web

Senior Technical Writer/UNIX Manual Page Coordinator. Contracted to Data General, Research Triangle Park, NC. 1996.

- Tested accuracy of on-line UNIX Manual Pages and ensured they were editorially sound
- Updated hard copy UNIX system documentation
- Created C-shell script to automate manual page revision process with the Revision Control System (RCS)
- Formalized manual page revision procedure
- Revised on-line help utility to reflect current UNIX operating system

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Senior Technical Writer/Editor/Illustrator. Contracted to AT & T, Research Triangle Park, NC, 1995 – 1996.

- Documented software development guides for Advanced Software Construction Center
- Published with Framemaker in a UNIX environment using Hewlett-Packard and Sun equipment using Information Mapping techniques
- Created complete documentation plan and user-friendly guides for development of Advanced Services Operations System Operations, Management, and Administration Platform for Packard Bell's network communications services software

Senior Technical Writer/Editor/Illustrator. Contracted to Nortel Communications, Research Triangle Park, NC. 1995.

- Wrote user guide for Digital Multiplex System Expert System (DMSES) graphical user interface (GUI) (produced in Framebuilder on UNIX operating system)
- Performed software user manual testing
- Wrote and implemented ISO procedures for Expert System documentation
- Prepared training and job qualifications assessment procedures for ISO 9000 audits
- Created a highly illustrated user guide (with screen captures) and tested it so as to accurately reflect the DMSES GUI functions

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Senior Technical Writer/Editor/Illustrator. Contracted to Sumitomo Electric Fiber Optics Corporation, Research Triangle Park, NC. 1994 - 1995.

- Created test procedures manuals for fiber optic components and performed tests to ensure accuracy of those manuals
- Prepared raw material specifications for fiber optic components
- Wrote procedures and training manuals for the assembly of fiber optic connectors in accordance with ISO-9000 guidelines using MS-Word, MS-Powerpoint, MS-Excel, and Autosketch. Created technical illustrations

Senior Technical Writer/Editor. Science Applications International Corporation Technology Services Company, Sierra Vista, AZ. 1990 -1993.

- Represented Army on Fiber Optic Systems standards committee of the Telecommunications Industry Association (TIA) and the IEEE Fiber Optic Technical Advisory Group 802.8 (FOTAG)
- Helped prepare and evaluate fiber optic component test procedures for the TIA Fiber Optic Test Procedures (FOTP) series. Voting member of FO-2 (systems) and FO-5 (components) committees.
- Researched and co-authored MIL-HDBK-415A, Design Handbook for Fiber Optic Communications Systems – used by junior engineers. Material was gathered from engineers, fiber optic handbooks, and industry and government periodicals. Contains systems descriptions, procedures for assembling systems, and specifications. Work produced on Novell LAN using Word Perfect 5.1
- Produced documentation on U.S. Army's STARFIARS computer-based supplies tracking program
- Rewrote, tested, and debugged fiber optic link design program in a top-down structured form in BASIC
- Prepared and wrote monthly progress reports and trip reports for standards projects
- Wrote and edited IEEE FOTAG "Recommended Practices for Fiber Optic Local and Metropolitan Area Networks"
- Received "A-Team" award for excellent contract performance

Teacher/Coordinator. Arizona State Prison Complex, Douglas, AZ. 1987 -1988.

- Established/taught high school preparatory curriculum for prison inmates, groups of 5-20
- Created Computer-Managed Instruction Project for inmates - procured PDP-11 through donation and supervised inmates in its assembly and operation. Wrote academic tests in BASIC and installed them on PCs. Procured and installed PC-based academic software for remedial reading program

Arts and Sciences Professor. Various times from 1970 to present.

- Subjects: introduction to logic (propositional and first order logics, and scientific methods), symbolic logic, and advanced logic (second order logic, Turing machines, and theorem provers); various courses in philosophy and political thought

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- Wrote computer-assisted instructional programs in BASIC. Taught Aristotelian logic and first order theory. Wrote own software documentation
- Programmed, installed, and maintained software to facilitate undergraduate problem solving courses

PUBLICATIONS AND CONFERENCE PRESENTATIONS

- In progress – “Using the IEEE 12207 standard for the establishing the documentation life cycle” – to be submitted to the Software Engineering Institute
- Abstracts submitted: “The Most Fundamental Law” - Quantum Mind – 2003; “The Ontology of Scientific Exploration” – American Association for the Advancement of Science – February 2003 Annual Meeting
- “Ontological Foundation of Millimeter Waves’ Effect on Consciousness” – Poster session at *Toward a Science of Consciousness*, Tucson, 2002
- “Recursion of logical operators and regeneration of discrete binary space”, June 2000, *Informatica*, Josef Stefan Institute, Ljubljana, Slovenia
- “The General Theory and Method of Binary Logical Operations” – accepted for publication in the *International Journal of Applied Science and Computations* – to appear December 2000
- “Millimeter Wave Radiation’s Effect on Mental States – a philosophical framework for study of MMWR” - *International Information System on Resonance Technologies* – Collection No. 19 (also translated into Russian) May 2000
- Invited lecture: “The General Theory and Method of Binary Logical Operations,” 8th Internal Colloquium on Numerical Analysis and Computer Science With Applications, Plovdiv, Bulgaria, August 1999 – accepted by *International Journal of Applied Mathematics*
- "Logic as the Language of Innate Order in Consciousness," *Informatica No. 4*, December 1997, Josef Stefan Institute, Ljubljana, Slovenia
- Author of numerous articles for Telecom Standards about fiber optics communications standards and reports on IEEE standards meetings, and critical thinking articles for Updating School Board Policies (National School Boards Association)
- Co-author of MIL-HDBK-415, and in-house college logic text to teach the ontological foundations of propositional logic
- Several conference papers (two in 1996) on critical thinking, material implication paradoxes in logic, and consciousness studies
- Appeared on television/radio stations and schools to argue for critical thinking in school curriculums
- Wrote newspaper columns/articles and general news

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PROFESSIONAL ORGANIZATIONS

- American Association for the Advancement of Science
- New York Academy of Sciences
- Bioelectromagnetics Society

EDUCATION/HONORS

- **Ph.D. in Philosophy**, University of Florida, Gainesville, FL
- **M.S. in Political Science**, Southern Connecticut State University, New Haven, CT
- **B.A. in International Relations**, Johns Hopkins University, Baltimore, MD
- Completed courses in fiber optics, auto technology, and corrections
- Member of Phi Kappa Phi, National Honor Society
- Listed in Who's Who in Science and Engineering – 2nd edition, 1994
- Listed in Who's Who in the World – 1996 to 2000 editions
