

## BIOGRAPHY

STEVE GILHEANY is a Senior Systems Engineer with Archive Builders in Manhattan Beach, California. Archive Builders provides consulting and educational services in the area of records management, archives, and the design of permanent digital records. At Archive Builders, Steve has worked on records management, document management, and document imaging projects for aerospace, banking, manufacturing, natural resource, petroleum refining, transportation, energy, federal, state, and local government, civil engineering, utility, entertainment, commercial records center, document imaging service bureau, archive, non-profit development, education, and administrative, engineering, production, legal, and medical records organizations. He has consulted on librarianship to Project Xanadu, the inventor of hypertext. He has also done work in product management for windows based user interface systems, for computer displays, for engineering drawing, letter size, microform, and color scanning, and for xerographic, photographic, newspaper, engineering drawing, and color printing.

Previously, he was with System Development Corporation (Unisys). As a Senior Systems Engineer, he worked on the design for a pilot optical disk system (ODISS) for the US National Archives using the US CMSR (Consolidated Military Service Records, 1775 to 1912) record series. He worked on organizing the documentation for the pilot for the US Patent and Trademark Office patent imaging system and did site surveys for proposed document imaging systems. As Product Planner for Infodetics Corporation, he defined the company's system design philosophy, did a research project for the US National Archives ODISS system, and did product planning for engineering document storage and retrieval systems. He worked on the system design and marketing for the US Navy EDMICS III / CALS engineering document management system for 16 million engineering drawings stored on 35 mm microfilm chips mounted in aperture cards, where the microfilm images in 6.4 million of the aperture cards were retrieved on demand, under computer control, scanned, and displayed or printed. He also did site surveys for proposed document imaging systems. At Citicorp, as a Systems Engineer, he adapted the ISO OSI (Open Systems Interconnect), seven layered protocol stack, Internet standard for a proposed nationwide-(US)/worldwide financial network. At TRW, as a Technical Programmer, he worked on turn-key POS (Point of Sale) systems and a department store inventory application, for western Canada, using a CODASYL type database. He introduced software engineering techniques, including software configuration management for the project code base. As a member of the on-line systems measurement and enhancement group, he specified, evaluated, and leased a microprocessor development/in-circuit emulator system, did communications system design including implementation of a device driver and protocol for TRW's credit authorization hardware in TRW's POS operating system, tested communications drivers using the in-circuit emulator, and wrote software for bi-directional file format conversion between two text editing systems. At NCR, as a Programmer, he was a member of the database system design team that developed NCR's implementation of the CODASYL database standard. At the US Post Office Department, he picked up and delivered the mail and worked in data center operations in the US Post Office headquarters data processing center where he was an assistant computer operator, computer operator, programmer, and tape librarian. (Today and every working day, the USPS correctly files all but a very small number of 500 million records in 100 million locations, which are physically spread throughout the United States, at a cost of less than 35 US cents per record filed.)

Mr. Gilheany holds a BA in Computer Science, from the University of Wisconsin at Madison, an MBA, with a concentration in Information Systems, from UCLA, an MLS Specialization in Information Science, from UCLA, and a California Lifetime Adult Education Teaching Credential. His certifications include the CRM (Certified Records Manager, from the Institute of Certified Records Managers, an affiliate of ARMA International), the CDIA (Certified Document Imaging System Architect, from an affiliate of AIIM International, the Association of Information and Image Management), and the AIIM Master (MIT), and AIIM Laureate (LIT), of Information Technologies. He teaches a quarterly course in Document Imaging and Document Management in the UCLA Extension and at locations across the US and around the world. He has given presentations and published several articles in records management, document management, virtual reality indices, spatial indexing using a GIS (Geographic Information System), archives management, and engineering document management. He is the co-coordinator of the Southern California and Southern Nevada ARMA Industry Specific Group (ISG) for Local Government records. He has been the Vice President of the Orange County California Chapter of ARMA for two years. His memberships include ARMA International, AIIM International, the ACM (Association for Computing Machinery), the IEEE (Institute of Electrical and Electronics Engineers), and the SAA (Society of American Archivists). His hobby is civil engineering.

Contact at: Archive Builders  
1209 Manhattan Avenue, #C-14  
Manhattan Beach, CA 90266  
(310) 937-7000  
<http://www.ArchiveBuilders.com> SteveGilheany@ArchiveBuilders.com

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