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<p>In the works: <i>Esse quam videri</i> (to be, rather than to seem). To give back. To pay forward. To pen at least one thoughtful book.</p>	
<p>1979 – 1992. Commissioned Officer. Senior Pilot (A-10, T-37), flight instructor, and flight lead with over 2500 hours. Supervisor, administrator, and analyst. Worldwide locations.</p> <p>Routinely led up to four single-seat fighter jets, shaping mission scenarios to meet extremely precise ingress, egress, and ordnance delivery parameters.</p> <p>Improved pilot evaluations and fostered Top Guns by tutoring students and critiquing all flight phases, parameters, and target scores. Twice rated best instructor.</p> <p>Led two USAF accident investigations where both aircraft were destroyed. Personal interviews, wreckage analysis, and computer simulations resulted in recommendations that potentially prevented similar mishaps and loss of life.</p> <p>Achieved excellent rating for self-initiated safety program involving 120 pilots and 19,000 annual sorties. Scheduled over 700 sorties per month.</p> <p>Developed unique computer model for predicting satellite availability and ground-antenna usage, giving Air Force Satellite Control Network a tool to more quickly assess system, command, and control requirements.</p> <p>Co-designed Space Shuttle experiment. Trained astronauts. Planned and advised daily shuttle-crew activities from Houston Mission Control Complex for DOD Flight STS-44.</p> <p>Handpicked to evaluate criteria, rate performance, and choose one satellite system proposal from competing contractors. Directed over 30 Defense Department and Federal Aviation Administration personnel to resolve a time-limited, critical satellite issue.</p> <p>Developed requirements and oversaw procurement for five distinct space systems as chief of six-person division. Annually administered more than \$6 million for satellite program planning, R&D, production, and operations.</p> <p>Generated evaluation materials to guide Pentagon staff and Congressional hearings in optimizing procurement choices concerning future space systems. Frequently produced, screened, and presented formal briefings.</p> <p>Air Force Major. Ready Reserve (through 2 Dec 2019).</p>	<p>2005 – Present. Developer. SearchDex, Inc. Dallas.</p> <p>2002 – 2005. Public Programs Manager. Bridwell Library, Southern Methodist University. Dallas.</p> <p>1998 – 2002. Senior Programmer. Averon, Inc. Dallas.</p> <p>1994 – 1998. Systems Engineer. Concise Marketing Solutions. Dallas.</p> <p>1992 – 1994. Executive Assistant. Also, Space, Science, and Technology Research Staff for 1992-1993 Clinton-Gore Presidential Transition Team. Washington, DC.</p> <p>Created/developed client web pages and online applications to optimize search engine results, enhance user experience, and improve conversion rates. Built/maintained web sites for Bridwell Library, Southern Methodist University; Luminator Division of Mark IV Industries (HR management of approx. 300 personnel); and Sport Supply Group (e-commerce).</p> <p>Developed client/server administrator tool for Excel Communications, Inc., to manage user IDs, passwords, security, forms, products, and application options.</p> <p>Developed client/server application for Mary Kay Cosmetics, Ltd., Canada, enabling senior management to track order fulfillment and enrollment for 16,000+ consultants and over 250,000 customers using real time, relational database tools.</p> <p>Developed specific client/server applications for KFC, Auto Parts Club, Source Services Corporation, American Lighting Association, and Texas Business Magazine. Provided database management, customer support, direct response analysis, periodic/on-demand reporting, and customer-to-store matching using location proximity algorithms with multiple input argument options.</p> <p>Tools: Java, PostgreSQL, JSON, Flex, DHTML, HTML5, XML, JSP, ASP, JavaScript, PowerBuilder, SAP WebStudio, IBM WebSphere, VisualAge, Visual Basic, SPSS, IBM DB2, Sybase SQL Anywhere, MS SQL Server, dBase, FoxPro, Access, Excel, Word, MS Office, Windows, Adobe PhotoShop, Statgraphics, Quattro Pro, WordPerfect, BASIC, FORTRAN, SAS, SLAM (simulation), and InDia (influence diagrams for decision analysis).</p>
<p>2010 – 2011</p> <p>2008</p> <p>2004</p> <p>1995 – 2005</p> <p>1992</p> <p>1989</p> <p>1986</p> <p>1984 – 1986</p> <p>1984</p> <p>1981</p> <p>1979</p> <p>1975</p> <p>1965 – 1979</p>	<p>Master's Essay. <i>The Return of Odysseus: Discovering the Homeric Wisdom of αἴσιμα</i>.</p> <p>Master of Arts in Liberal Arts. St. John's College. Santa Fe, New Mexico.</p> <p>Master of Liberal Arts. Southern Methodist University. Dallas, Texas.</p> <p>Treasurer. Local homeowners association of 101 units with \$725,000+ budget. Dallas, Texas.</p> <p>Selected among top 25 percent for in-residence Air Command and Staff College. USAF.</p> <p>Master of Science, Space Operations (Statistics, Decision Theory). Air Force Institute of Technology.</p> <p>Distinguished Graduate. University of Southern California Safety Program.</p> <p>Master in Systems Management (18 credit hours). University of Southern California.</p> <p>Outstanding Performer. USAF operational evaluation. Suwon AB, Korea.</p> <p>Top Graduate. Pilot Instructor Training. Randolph Air Force Base, Texas.</p> <p>Bachelor of Science, Mathematical Sciences and Operations Research. United States Air Force Academy.</p> <p>Senior Class President. Commencement Speaker. Morgantown High School. Morgantown, West Virginia.</p> <p>Student of piano (10 years) and percussion (11 years).</p>