

# Raymond E. Trygstad

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- Summary of Experience:** Professor, manager, curriculum developer, trainer and consultant. Broad experience and education in computer systems including UNIX, Linux, Windows XP/7/Server 2003/2008, iOS, and Amiga systems; extensive computer graphics experience. Designed and manage university undergraduate and graduate curricula in Information Technology & Management. Internet/World Wide Web pioneer—established, maintained and managed extensive multiple Web sites dating back to 1994. Teach courses in information security, IT management, cloud computing, multimedia, operating systems, and operating system virtualization. Formal Navy training and experience in information security. Director of Information Technology for university college and campus responsible for all information technology functions. Manager of Client Services for university central computing operation. Director of Operations for a Navy aviation unit with over one million dollar annual operating budget and over 130 million dollars in operating equipment with 40 officers and 30 enlisted personnel under my supervision. 23 years of IT management experience, 19 years of university teaching, and 21 years of service in the U.S. Navy.
- Strengths:** Broad, varied educational, managerial and technical experience; flexibility; integrity; a superb writer. Experienced, skilled, effective educator. Clear understanding of information technology coupled with strong leadership and management skills.
- Education:** *Ph.D. Candidate in Technical Communication and Ph.D. Studies in Computer Science*, Illinois Institute of Technology (IIT) Naval Postgraduate School, *Diploma, Aviation Safety Officer Course*, 1990  
University of Denver, *Master of Science, Systems Management*, 1990; focus on Information Systems Management. 4.0 GPA  
United States Naval Academy, *Bachelor of Science*, 1977; major: European Studies. Art Director of the campus magazine.
- Experience:** **United States Navy;** Career Naval Officer and Naval Aviator (3500+ hours of flight time); also Anti-Submarine Warfare Pilot, Instructor Pilot, Computer Systems Management Subspecialist, and Information Systems Security Officer.
- 1992 to present** University educator. Industry Professor of Information Technology and Management at Illinois Institute of Technology (IIT). As Associate Director for university Information Technology program, designed and manage curriculum for Information Technology & Management undergraduate and graduate degrees; advise undergraduate and graduate students enrolled in the programs through the School of Applied Technology, Illinois Institute of Technology, Wheaton, Illinois. Evaluate and hire instructors for courses. Currently also Adjunct Professor of Public Administration and previously Assistant Professor of Naval Science and Adjunct Assistant Professor of Computer Science at IIT. Wrote and taught Web design and e-commerce courses for IIT's Stuart Graduate School of Business. Served as a member of the Association of Internet Professionals Certification Accreditation Council. Member, IIT Undergraduate Studies Committee. Chair, National Board of Directors of Gamma Nu Eta, the National Information Technology Honor Society. Faculty Adviser, Gamma Nu Eta Beta Chapter.
- 1999 to present** Director of Information Technology, IIT School of Applied Technology, and Assistant Director for Information Technology, IIT Daniel F. and Ada L. Rice Campus. Responsible for managing staff and assets including all computer laboratories, faculty and staff computer assets, UNIX/Linux/Windows/VMware/XenServer servers, networks, and multiple Web sites. Daniel F. and Ada L. Rice Campus, Illinois Institute of Technology, Wheaton, Illinois.
- 1994 to present** Independent consultant on Internet strategies, information security, personal computer applications and configuration, graphics and document design and production, curriculum development, and multimedia applications; did original graphic and document design and production and multimedia application design. Developed multimedia technology demonstration and product evaluations for Ameritech. Small business owner; provided online resources for targeted Web development audiences and instructional/curricular materials for college and university Web developer courses. Designed and maintained Web homepages for United States Naval Academy Alumni, Webmaster Sources, and instructional programs at Illinois Institute of Technology. Created Web developer curricula fully accredited by the Association of Internet Professionals Certification Accreditation Council. Founding member of the Council of the World Wide Web Virtual Library. Subject Matter Expert for the Computer Trade Industry Association (CompTIA) i-Net+ examination; i-Net+ Certified.
- 1997 to 1999** Manager of Client Services, Computing and Network Services; responsible for managing staff and assets including university Web site, all computer laboratories, Novell networks, and Helpdesk services. Also Adjunct Assistant Professor of Computer Science. Illinois Institute of Technology, Chicago, Illinois.
- 1995 to 1997** Multimedia Training Specialist; managed Instructional Multimedia Center, conducted faculty training seminars, provided support for university faculty use of multimedia presentation tools and World Wide Web in an instructional environment. Also Adjunct Assistant Professor of Computer Science. Illinois Institute of Technology, Chicago, Illinois.
- 1992 to 1994** Assistant Professor of Naval Science, Illinois Institute of Technology. Departmental Academic Affairs and Curriculum Coordinator; Departmental Computer Systems Manager. Drafted proposal for departmental portion of \$5 million DOD computer development grant. Member, Illinois Institute of Technology Undergraduate Studies Committee.
- 1991 to 1992** Director of Operations (Operations Officer) for a 10 aircraft Anti-Submarine Warfare helicopter squadron. Managed over \$130 million worth of aircraft assets with 99.5% utilization of available resources. Acted as Commanding Officer in his absence. Cited with Navy Commendation Medal. Helicopter Anti-Submarine Squadron Light Thirty-Four, Norfolk, Virginia.
- 1986 to 1991** Officer in Charge of a single aircraft unit operating entirely detached from the parent unit for three six month periods; two periods supporting hydrographic survey operations in Indonesia, and a circumnavigation of South America conducting joint operations with local navies. When not at sea, spent one year as Administrative Officer, Information Systems Manager, Security Officer, and Information Systems Security Officer for a Navy command of 500 personnel; developed a major personnel management database application. Managed and directed Aviation Safety and OSHA programs for two consecutive units resulting in zero aircraft accidents and 50% reduction in workplace injuries. Accomplishments recognized with two Navy Achievement Medals. Helicopter Anti-Submarine Squadron Light Thirty-Four, Norfolk, Virginia and Helicopter Anti-Submarine Squadron Light Thirty-One Detachment BRAVO, North Island, California.
- 1983-1985** Dean of Students (Student Control Officer) for Navy Advanced Undergraduate Helicopter Pilot Training; instructed advanced helicopter students both in the cockpit and in the classroom. Coordinated all postgraduate assignments; arranged and conducted all graduations; managed student grading standards. Helicopter Training Squadron Eighteen, Milton, Florida.
- 1980-1983** Anti-Submarine helicopter detachment Operations Officer; Squadron Tactics Officer, Line Division Officer. Helicopter Anti-Submarine Squadron Light Thirty-Five, North Island, California.
- Organizations:** The Internet Society, the Computer Security Institute, Information Systems Audit and Control Association, Gamma Nu Eta, Internet Corporation for Assigned Names and Numbers, U.S. Naval Institute, U.S. Naval Academy Alumni Association.
- Additional Info:** Available online at <http://trygstad.rice.iit.edu>