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RESUME OF PATRICK D. BARNES

Captain Patrick Denis Barnes was born April 16, 1955, in St. Helens Oregon. He graduated from high school in 1973 and enlisted in the United States Air Force in 1974. He served three years as an aircraft maintenance specialist before cross-training into the computer programming specialty in 1977. He then served as a computer programmer for the Directorate of Logistics, Air Force Data Systems Design Center, and as NCOIC of Software Support for the Intelligence Data Handling System Branch of the Armed Forces Air Intelligence Training Center.



In 1981, then Staff Sergeant Barnes received an Associate in Applied Science in Data Processing from the Community College of the Air Force and was selected to complete his undergraduate studies through the Airmen Education and Commissioning Program. He graduated summa cum laude from Oregon State University in 1984 with a B.S. in Computer Science and attended Officer Training School where he was commissioned that same year. He was then assigned to the PAVE PAWS System Programming Agency, 7th Missile Warning Squadron, where he served as a programmer/analyst responsible for early warning communications and space simulation software.

Captain Barnes completed a Master of Science in Computer Science at the Air Force Institute of Technology, Wright-Patterson AFB, Ohio in December 1988. He was then selected for the Air Force Officer Exchange Program and assumed new duties as an instructor for the Department of Computer Science, Naval Post Graduate School. He currently teaches Introduction to Computer Architecture, Software Systems Design, Computers in Combat Systems, and the Ada programming language.

Captain Barnes has received the Air Force Achievement Medal, Air Force Commendation Medal with one oak leaf cluster, and Joint Services Commendation Medal. He is an active member of both the Association for Computing Machinery and the IEEE Computer Society. In 1989 he presented a paper describing a support system for "Object-Oriented Software Development Decision Making" at the National Aerospace Electronics Conference (NAECON). He is primarily interested in improving software quality, software maintenance, and encouraging DoD use of software engineering methodologies and techniques.