

Biography of Paul Williams

Paul Williams is regarded as one of the foremost experts on architectural design-level security in the U.S. today. Paul is President and Chief Technology Officer of Gray Hat Research Corporation, a Houston based firm specializing in advanced technology in the areas of computer security, artificial intelligence algorithms, high speed databases, communications, and defense related solutions. Paul has twenty-eight years of breakthrough innovation and invention development across a diverse array of sciences and technologies including astrophysics, computer programming and security, electronics, mechanical engineering, and weapons development.



Until November 2003, Paul was Chief Technology Officer of GalaxyCSI, a Washington, D.C. based company which performed highly classified work for the U.S. Government. Paul was responsible for all technical research and development at the company and served as the technical liaison between the company and its primary customer, the U.S. intelligence community.

Paul is an advisor to federal law enforcement on some of their toughest cyber crime cases. He is certified by the U.S. National Security Agency (NSA IAM and IEM) and is a nationally recognized authority on the white hat side of network security. His research has been widely published and he has been a featured lecturer across the nation at many universities, colleges, and industry associations such as InfraGard, ISSA, ISACA, IIA, ACP and the Electric Power and Research Institute (EPRI). Paul has also spoken at the Federal Bureau of Investigation (FBI) Houston Division to multiple law enforcement agencies, at the United States Secret Service's HITECH association, to the U.S. Department of Justice's Anti-Terrorism Advisory Council (ATAC), and also overseas at a North Atlantic Treaty Organization (NATO) conference in Zurich, Switzerland on national security from an information technology standpoint.

Previous to his position at GalaxyCSI, Paul founded and built the Enterprise Services Department at Houston-based DYONYX from the ground up into a formidable nationally known industry security presence. Prior to his 15 month career at DYONYX, Paul spent three years at NetIQ Corporation in Houston, where he served as the lead test engineer for NetIQ's leading software products, including the Active Directory Migration Tool (ADMT) which NetIQ developed under contract to Microsoft in 1999-2000. Paul was also the lead test engineer for NetIQ's Rapid Development Team, and served in an advisory role to NetIQ's Security Team. Paul also spent eleven years at Compaq Computer Corporation where he developed numerous breakthrough artificial intelligence algorithms in robotic machine programming and computer vision logic.

Paul's passion for technology began with his first computer: a 2K RAM memory Z80 Timex-Sinclair 4-chip microcomputer which he programmed using machine code to solve an astrophysics problem involving the velocity of light.

Paul took computer science courses at Martin Methodist College in Pulaski, Tennessee in 1983-1984. He left college with a 4.0 GPA and began working at Compaq Computer Corporation in Houston, Texas in 1985. During his eleven-year career there, he developed numerous breakthrough artificial intelligence algorithms in robotic machine programming and computer vision logic, some of which ran thousands of times faster than previously developed algorithms.

In 1991, Paul launched his own software development company that designed artificial intelligence algorithms, performed network security penetration audits, solved hacker attacks, and conducted anti-virus software research. Paul designed an artificial intelligence engine design simulation program that he sold under the name DragStrip Plus.

During his 4 years as an independent consultant performing network security assessments, Paul collected a wide assortment of hacking tools and researched computer viruses. By 1994, Paul's collection of 22,000 computer viruses and 800 Trojan Horse programs was among the largest collection of viruses anywhere in the world at the time. He maintains his collection as a side hobby to this day.

Over the last several years, Paul has consulted for numerous Fortune 500 businesses and is a regular lecturer and highly sought after speaker. In addition, Paul has been interviewed on network radio, and his anti-virus research has been widely published. He is currently a member of the advisory committee for IT at the six-college North Harris Montgomery College district in Houston. His ongoing passion in the security arena is network architectural and logical design level security from the ground up.