

Wayne S. Freeze

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- Objective:** Seeking challenging employment using XNA and related Microsoft .NET technologies.
- Summary:** Programming Languages: Visual Basic; C#; JavaScript; C++; C; and COBOL. Operating Systems: Windows (Vista/2003 Server/XP/2000/NT); MVS/ESA; VM/ESA; and several flavors of UNIX. Databases: SQL Server; Access and Oracle. Applications: Microsoft Office, MapPoint and Visio; Adobe Photoshop; and Autodesk 3ds Max. Technologies: XNA; DirectX; ASP.NET; HTML/XHTML; XML; CSS; Web Services; COM/DCOM; COM+; MSMQ; and assorted Internet protocols. Other skills: technical writing; project management; real-time programming; software engineering; computer performance analysis and capacity planning; database administration; object oriented programming; web site design; computer networking; relational database theory; operating systems and compiler design theory; hardware/software evaluation and computer graphics.
- Experience:**
- January 2004 to May 2008. *Head of Software Development, Electrical Controls, Inc.*** Responsible for research and development of 3D graphics and other technologies for customized real-time engineering applications. Developed an architecture for organizing production flow in manufacturing plants and wrote the patent application, which is currently pending. Created real-time drivers for 3D positioning sensors, multi-gas sniffer leak detectors and digital multi-meters.
- June 1996 to December 2003. *Writer/Consultant.*** Wrote computer books and magazine articles on a variety of topics including Visual Basic, ASP.NET, database programming and Microsoft Office. Represented by Studio B, Literary Agency. Developed web sites, created custom applications and provided technical advice to a variety of clients.
- November 1988 to October 1997. *Technical Support Manager, University of Maryland at College Park, Administrative Computer Center.*** Managed systems programmers and telecommunications technicians to provide technical support for a large IBM mainframe computer center, with complex networking requirements. Advised senior university administrators on complex technical issues. Developed integrated client server architecture using mainframe, UNIX and Windows NT server components. Developed technical justifications and performed long range planning for the acquisition of new computing resources.
- April 1982 to November 1988. *Systems Programmer, University of Maryland at College Park, Administrative Computer Center.*** Provided systems programming support for an IBM 3090, a Unisys 1100 and multiple Hewlett Packard 3000s. Assisted staff with solving difficult technical problems. Developed procurement specifications for a mainframe computer system. Assisted with the procurement and installation of a fiber-optic based wide area network.
- April 1980 to July 1982. *Systems Analyst, University of Maryland, University College Computing Services.*** Designed an electronic mail system and supervised two programmers during its implementation. Coordinated the shipment of a computer system to Europe. Responsible for systems programming on the Hewlett Packard and IBM computer systems.

August 1979 to August 1980. Full-time Student, Part-time Computer Consultant. Contracts involved statistical data analysis programs and real-time microcomputer software and hardware development.

March 1976 to August 1979. Programmer/Analyst, Anne Arundel County Board of Education. Responsible for the High School Graduate Followup Study System and the Vocational Program Evaluation System. Provided technical support for a Hewlett Packard 3000.

Education: **Masters Degree, Business Management,** University of Maryland, August 1988.
Bachelors Degree, Computer Science, University of Maryland, August 1983.
Associates' Degree, Electrical Engineering, Essex Community College, May 1977.

Books: **Access Data Analysis Cookbook,** O'Reilly, Ken Bluttman, Wayne S. Freeze, 2007
Microsoft Excel 2003 Programming Inside Out, Microsoft Press, Curtis Frye, Wayne S. Freeze, 2003
Windows Game Programming with Visual Basic and DirectX, Que, Wayne S. Freeze, December 2001
Visual Basic 6 Database Programming Bible, IDG Books, Wayne S. Freeze, September 2000.
Unlocking OLAP with Microsoft SQL Server and Excel 2000, IDG Books, Wayne S. Freeze, May 2000.
Visual Basic Developer's Guide to COM and COM+, Sybex, Wayne S. Freeze, November 1999.
Peter Norton's Complete Guide to Office 2000, Sams, Jill T. Freeze, Wayne S. Freeze June 1999.
Hands on SQL Server 7 With Visual Basic 6, Prima, Wayne S. Freeze, February 1999.
Expert Guide to Visual Basic 6, Sybex, Wayne S. Freeze, September 1998.
The SQL Programmer's Reference, Ventana Press. Wayne S. Freeze. December 1997.
Introducing WebTV, Microsoft Press. Jill T. Freeze and Wayne S. Freeze. December 1997.
The Visual Basic 5 Programmer's Reference, Ventana Press. Wayne S. Freeze. October 1997.
Programming ISAPI with Visual Basic 5, Prima Publishing. Wayne S. Freeze. April 1997.
Leveraging Visual Basic with ActiveX Controls, Prima Publishing. Wayne S. Freeze. October 1996.

Articles: Approximately 75 technical articles and whitepapers on various subjects like ASP.NET, ADO.NET, SQL Server, Visual Basic.NET, and Microsoft Office.