

David W. Raskin

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Résumé

Updated May 18, 2004

Education

University of California at Irvine (UCI). Bachelor of Science in Mathematics with an emphasis in Applied Mathematics, 1995. Magna cum Laude.

Professional Summary

- Twenty years of experience in software development, deployment and support.
- Powerful oral and written communication skills.
- Adept at project design and reality checks.
- Knowledgeable in database design and Client/Server applications.
- True Object Oriented design and code (OOD/OOP).
- Intelligent COM/DCOM (ActiveX) development and deployment.
- Familiar with API development, including Win32 and Software Licensing APIs (SLAPI).
- Plenty of experience with MS-SQL Server and Analysis Server.
- Skilled in performance tuning and software testing.
- Experienced in framework development such as MFC, STL and OWL.
- Schooled in Numerical Analysis, Error Propagation.
- Eloquent customer and helpdesk support.
- Experienced in small to medium sized network design and implementation.
- Seasoned webmaster, domain administrator.
- Comprehensive home-office, with communications and development/testing platforms.
- Member, Institute of Electronic and Electric Engineers (IEEE) and IEEE Computer Society.
- Microsoft Certified Professional–Windows 2000



Languages

C, C++ (using MS-SDK, MS Visual C++, MFC, & Borland C++), Visual Basic, Visual Studio Tools, HTML/XML/ASP, Visual InterDev, T-SQL, COBOL and Smalltalk. Limited experience in 80x86 assembly, ADA, Pascal, FORTRAN, Java, C#.

Operating Systems

Windows NT/2000/XP and Windows 9x, Unix, MS-DOS. Some familiarity with Novell servers and IPX.

Tools and Utilities

Microsoft Visual Studio 6.0 and .NET, InstallShield, Wise Solutions InstallMaster, MS FrontPage, DAO and ADO, NuMega BoundsChecker, Rational Visual Test, CrypKey SLAPI, MS SQL Server 6.5/7.0/2000, MS Analysis Services, MS Reporting Services, MS Office and FoxPro, TeX, Veritas Backup Exec, Crystal Reports, Adobe GoLive, Photoshop, Illustrator, Acrobat Professional, ActivePDF (non-Adobe product creates pdf documents on the fly).

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Experience

December, 2000 to
Present

Freedom National Insurance Services. Director of Technology.

- Responsible for design and development of in-house software for a “non-standard” personal automotive MGA.
- This software handles automobile policy changes, billing and reporting.
- Software acts as a basis for actuarial analysis.
- Responsible for procuring and configuring network servers.
- Researched, designed and implemented an innovative method of providing proof of mailing for statutory requirements at significant cost savings (\$100's per day!)
- Researched, designed and implemented CASS certification providing bulk mailing rates for thousands of pieces daily.
- Work with VB, VC++, SQL Server 2000, Analysis Services, Windows NT, 2K, XP, 2003, .NET, ASP, Adobe GoLive, Illustrator and Photoshop.
- Created pipeline for electronic reporting to State of California.
- Supervise 3+ programmers and network administrator.
- Assigned responsibility for validation and filing of state and federal informational returns.
- Liaison to insurance carriers for annual reporting.

April, 1998 to
December, 2000

David Raskin Consulting. Consulting in Software Design, Network Design and Software Development

For TimeSaver Software

- Assisted in Design and Development of features for a new version of their Room Viewer™ package. Development in MSVC 6.0.
- Designed and implemented a Remote Licensing scheme which allows metering over WANs and over the internet. Developed a setup kit in Wise InstallMaster to ease some of the license server installation.
- Performed remote debugging using my TCP/IP network. Performed testing using Rational Visual Test.
- Developed a DLL to accommodate VARs interfacing with the product. Wrote sample code for DLL access in Visual Basic 6.0.
- Currently assisting in design of a new shrink-wrapped product to be developed in Visual Basic and C++.
- Currently assisting in implementation of a web-based version of the Room Viewer product.

For Allied Business Schools

- Developed a Computer Based Training (CBT) tester application that allows Allied to write tests and compile them into a distributable CD (this is an update to the applications I developed in 1991-1992).
- Wrote a COM DLL and web pages (ASP) to make the application available on the internet, including user validation and data storage in a SQL server database.
- Development in MS Visual Basic 6.0, testing with Rational Visual Test.

Experience (continued)

For Orange Coast College, Department of Math and Sciences

Developed an application to scan, score and evaluate placement tests issued to new students. The application accommodates an unlimited number of courses. It generates detailed result letters for the students and general reports for faculty, including statistical analysis of class results and question quality. Developed in MS Visual Basic 4.0-6.0 with a Scantron scanner.

For Timothy W. Tuttle and Associates

Upgraded their network from a peer-to-peer to a Windows 2000 domain, with Windows 2000 Professional clients. Procured and installed hardware, secured internet domain names, set up domain host, active directory, DNS, email and website. Still maintaining the network.

For the Law Offices of Albert M. Graham, Jr.

Implemented a network upgrade from peer-to-peer to Windows NT SBS with Windows 9x clients. Selected and installed case management software, accounting software. Maintained network for about a year.

For Laguna Coast Associates

Assisted in evaluating current software for Y2K readiness and the financial implications of switching to other software.

May, 1996 to
April, 1999

TimeSaver Software. Head of Development.

- Primary developer of Room Viewer 4.0, a math and graphics intensive application for the hospitality industry. Responsible for design, coding, distribution and support.
- Used MFC, Visual C++ 4.0-6.0 for development.
- Used MS Visual Test for application testing, BoundsChecker for memory testing.
- Worked with contract programmers as necessary.
- Built and implemented my own TCP/IP Windows network to facilitate development and testing of network versions and “remote debugging” of the application.
- Created installers in InstallShield and Wise.
- Modified and maintained the company website.
- Acted as the company helpdesk representative.

September, 1995 to
May, 1996

University of California at Irvine. Department of Mathematics. Teaching Assistant.

Led “discussion sections” for elementary vector calculus, trying to emphasize problem-solving skills. Responsible for writing, proctoring and grading weekly quizzes, and assisting in grading the midterms and finals. Developed a nifty Excel spreadsheet to calculate course grades, and was one of the first TA's to maintain a web site for student information (still there at www.ags.uci.edu/~dwraskin/index.htm).

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Experience (continued)

August, 1985 to
September, 1995

The Answer Group. Consulting in Software Design and Development, system administration.

For TimeSaver Software

Helped support Room Viewer 1.0 (written in MS VB 2.0). Assisted in design of Room Viewer 2.0. Assisted in selection of development team and development progress monitoring. Took over code development of mathematically intensive sections. Written in Microsoft C/C++ 5.0, Windows SDK.

For Ratner's Pacific Lighting

Repaired and assumed administrative duties for a Unix installation with about a dozen terminals.

For Laguna Coast Associates, Inc.

Maintained and administered a Xenix system with six terminals. Customized Real World accounting software for their unique order entry requirements and reporting needs (RM/COBOL), including a remote order entry system. Developed software to print custom labels. Later, helped evaluate software more specific to their industry and assisted in the conversion to the new software.

For Allied Business Schools

Wrote a test development and deployment application. Allied created tests with multiple choice answers and hints in a text file, then ran them through this test compiler. The result was a distributable test file with compact text (the text was also somewhat encrypted to discourage theft). Developed in MS Basic PDS and MS Visual Basic for DOS (really!).

For International Processing, Inc.

Installed, maintained and administered a thirty terminal Unix system. Custom developed software from the ground up for phone sales group, including messaging and real-time order picking information (RM/COBOL). Wrote modules to protect the company and its customers from credit card fraud and a simple accounts receivable module.

For Nash and Associates, Inc.

Developed, implemented and supported a payroll system for their contract sewing employees (filePro). The system assigned numbers to bundles of cut fabric, printed bundle tickets and automatically calculated piece rates for each operation along the way requiring only entry of the bundle and operation (which was ultimately bar-coded). This software yielded a significant cost savings in payroll expenses with incredible increases in accuracy.

Other

Honorably Discharged from the United States Marine Corps with a secret security clearance (inactive).
Member: IEEE, IEEE Computer Society, Mu Alpha Theta, Golden Key NHS.
Microsoft Certified Professional (Windows 2000 Server).