

Alisson Augusto Souza Sol – Curriculum Vitae



Alisson Sol

Master of Science in Computer Science
Cambridge General Management Certificate

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Objective

Continue to enhance my technical skills, and still provide technical guidance and participate hands-on in software development, demonstrating my leadership and management skills.

Interests and Experience Summary

Fields of Interest

- Object-oriented Analysis and Design, Distributed processing, Java language, Framework Development, UML, .NET, CORBA, Computer Networks, Security

Hardware Experience (use, specification, configuration)

- Apple Macintosh, IBM-PC and compatibles, Sun workstation, Handheld devices

Software Experience

- Operating systems: MacOS, Windows, Netware, SunOS, Solaris, Unix, Linux
- Application development: Inprise JBuilder, Centura, Microsoft Visual Studio .NET, SmallTalk
- CASE tools: Rational Rose XDE, System Architect
- CAD tools: AutoCAD (Autolisp and ARX), MicroStation
- Database servers: MS-SQL Server, SQLBase, Sybase, Oracle
- Other: ActiveX, Agile, ASP (Active Server Pages), Azure, BizTalk, Big Data, Business Analytics, Business Intelligence, Computer Vision, C#, CORBA and DCOM, Data Mining, Distributed Processing, Driver development, E-Commerce, HTML, HTTP servers (Apache, Internet Information Server), Java, JavaScript, jQuery, Lex/Yacc, Lotus Notes, Machine Learning, Matlab, MFC class library, Microsoft Office (Word, Excel, PowerPoint, Access, PerformancePoint), Microsoft Project, Microsoft Site Server Commerce, ODBC, OLE controls, Scrum, Stored procedures (PL/SQL, Transact SQL), UML, Visual BASIC for Applications, WAP, Web services, WFC class library, XML
- Co-author of 10 patent applications (3 USA patents granted)
 - 2010/10/19 – Synthetic Gesture Trace Generator
 - 2007/10/31 – Method for Capturing Design-time and Run-time Formulas Associated with a Cell
 - 2007/03/07 – Techniques To Manage Information For Dynamic Reports Using Time Periods For A Business Model
 - 2007/02/28 – Rendering Database Queries with Blank Space (USA Patent 7,617,221)
 - 2007/01/12 – User Interface For Selecting Members From A Dimension
 - 2005/07/05 – Metadata-Based Form Rendering And Write-Back
 - 2005/06/30 – Manipulation Of Information Embedded In Content (USA Patent 7,761,924)
 - 2005/05/23 – System And Method For Integrated Management Of Components Of A Resource
 - 2005/05/18 – Flexible Data-Bound User Interfaces
 - 2005/05/13 – Method and System for Document Assembly (USA Patent 7,577,906)

Professional Experience

Microsoft Corporation – Knowledge Engineer

Redmond, WA, USA (except where location is defined)

- November/2011 – Current: **Principal Development Lead for the [Kinect for Windows](#) team**
 - Hire, lead, and manage a team able to implement computer vision algorithms. Transition latest machine learning real-time processing results from research into production-quality code, while maintaining existing codebase.
- August/2010 – October/2011: **Knowledge Engineer for the Engineering Excellence team**
 - Working on documenting and spreading best practices in the development discipline (focus on services, Azure, and agile methodologies).
 - Instructor/facilitator for training sessions presented to Microsoft developers by L&D team, including the “Agile development lab”, and JavaScript classes.
 - Technical owner of internal training on some new technologies, including Azure, SQL Azure, Html5, jQuery, and Silverlight.
- March/2008 – July/2010: **Development Manager for Microsoft Research Cambridge Innovation Development team in Cambridge, UK**
 - Hiring and management responsibilities and commitment to foster a results-driven working environment characterized by curiosity, depth reflection, mutual challenge and learning from others within and outside the team.
 - Gesture Mouse Experience Prototype (Microsoft [Touch Mouse](#)): Managed both development and test disciplines for initial incubation efforts, including development of device drivers and framework for evaluation of gestures. Performed evaluation of strategies between ad-hoc and machine learning algorithms for gesture recognition, including real-time integration with Matlab implementation. Development strategy for automated translation of prototyping code in C# to the production code in C++.
 - Microsoft Research AutoCollage Touch 2009 application: Managed both development and test disciplines, schedule and project scope. Extending the functionality of AutoCollage 2008, this is one of the first applications to use the multi-touch user interface features of Microsoft Windows 7. First Microsoft Research project integrated with [CEIP](#) (Customer Experience Improvement Program). Managed the relationship with vendors to have the application translated to 15 languages at release time. Received a gold star award for the significant contribution to the success of this project.
 - Microsoft Research [AutoCollage 2008](#): Wrote the application specification, worked as a hands-on developer, managed the development and test disciplines and all the release processes, schedule and project scope. Converted computer vision code from Matlab to C++, and implemented the first Microsoft Research project integration with [Windows Update](#). Received a gold star award for the significant contribution to the success of this project.
 - Worked with an external partner for the server-side development of a service to allow communication between a new device ([Wayve](#)) and mobile phone, using both SMS and MMS messages.
- February/2007 – February/2008: **Development Lead for Microsoft Research Cambridge Incubation and Technology Transfer team in Cambridge, UK**
 - Worked on the user interface components for trials of a new secure peer-to-peer technology ([Nimbus](#)).
 - Leader of a small team migrating an IPTV technology implementation from C# to C++ ([Pastry](#)).
- August/2004 – January/2007: **Software Design Engineer Lead for the Microsoft Office Business Applications team**
 - Development Lead for the Add-In for Excel, Reporting Wizard and Samples subsystems for Microsoft Office [PerformancePoint](#) Server 2007, a Business Intelligence solution allowing full performance management and scalable to entire corporations (with modules for forecast, monitoring and business analytics). As the leader of a team at times having 11 direct reports, I’ve demonstrated great precision on scheduling my components, despite dependencies across subsystems. As leader of the samples subsystem, defined an easily configurable [deployment model](#). Received a gold star award for the significant contribution to the success of this project.
- April/2003 – July/2004: **Software Design Engineer Lead for the Information Worker New Markets team**
 - Development Lead for the Microsoft Office Solution Accelerator for Proposals
I was the development lead of this solution accelerator with an Office client add-in, SharePoint site templates and webparts, and a dedicated web service. Participated in reviews and helped with architecture, design and code reviews for several [solution accelerators](#).
 - Development Lead for the Microsoft Office [Information Bridge Framework](#)
I was the development lead for the user interface subsystem of IBF 1.0, including the task pane rendering inside Office applications.
Lead initial effort of the Tools for IBF v1.+, jumpstarting the offshore development by training the development team in Hyderabad, India.

- April/2002 – March/2003: **Software Design Engineer Lead for the Microsoft Business Framework**
 - I was the development lead for the Workflow user interface (in ASP.NET) of the [Business Framework](#). After starting to lead a subsystem that was considered to be feature complete but had severe usability gaps, I've convinced upper management of the need to rewrite the entire subsystem with a better object-oriented architecture, what reduced the total lines of code by a factor of 10 (from around 30K LOC to ~3K LOC), with improved usability. Received a gold star award for the significant contribution to the success of this project.
- March/2000 – March/2002: **Individual Contributor for BizTalk and Application Center teams**
 - I was the main developer of the BizTalk [Orchestration Designer](#) for BizTalk 2002, and also did design and development for integration of OD in VS.NET for future versions.
 - Development of specifications and implementation of programs to test the product US-Commerce Latinum (BizTalk Orchestration Designer, XLANG parser, etc.).
 - Development of specifications and implementation of C++ tests for the reliability and timeliness subsystem.

COMIG - Information Technology Consultant

- COMIG - Companhia Mineradora of Minas Gerais (<http://www.codemig.com.br/>)
- September/1994 – February/2000
- Activities: General advice on Information Technology subjects for the whole company; Writing of Technical and Legal projects and proclamations, etc.; Responsible for maintenance of company web site
- Consultant for all IT subjects for public mining company, including CAD (Computer-Aided Design), financial and HR systems.
- Main system development projects
 - Analysis, design and development of system for data entry, update and queries about company stockholder information;
 - Analysis, design and development of system to capture data from time clocks and calculate personnel work time;
 - Analysis, design and development of system for information maintenance about company third part contracts.
- Main technology implementation projects
 - Specification, installation and configuration of hardware and software for company connection to Internet;
 - Installation and configuration of Sun workstations, including hardware (printer, tape units, CD-ROM, etc.) and software (image processing systems) for geoprocessing applications.

Micro Universo - Systems Architect

- Micro Universo Informática S/A (<http://www.microuniverso.com.br>)
- July/1995 - June/1999
- Activities: Systems Analysis and Design for ERP (Enterprise Resource Planning) system; Model design was done with Rational Rose and relational scheme was automatically generated from model using Visual BASIC Automation script. The resulting object-oriented model had more than 200 classes and 1200 attributes, with reuse factor of 5 (more than 1000 tables would be needed in a pure relational model).
- Main tools: Rational Rose, Centura Builder (ex-SQLWindows), Visual BASIC

Last One - Information Technology and Quality Management Consultant

- Last One
- May/1998 – February/2000
- Activities: Specify, install and configure software for company Intranet and Internet site; Instructor for company Total Quality Management program
- Main tools: Microsoft Windows NT Server - Terminal Server Edition, Microsoft Proxy Server, Microsoft IIS, Microsoft Site Server - Commerce Edition, DCOM, Microsoft Transaction Server, Microsoft SQL Server, Microsoft Visual Studio
- Main projects: Analysis and Design of Internet video rental system from company Web site; Analysis, Design and Development of Intranet system for customer order tracking

IEF – MG - Information Technology Consultant

- IEF-MG – Instituto Estadual de Florestas de Minas Gerais (<http://www.ief.mg.gov.br>)
Winner of public competition 018/97 (Contract: 0101000697)
- July/1997 to December/1997
- Activities: Technical review of bought equipment and installation of software in Windows NT network for regional offices. Configuration of clients with Windows and Linux in 108 workstations for geoprocessing, 5 monitoring workstations, 13 workstation for foment system e 4 other workstations

ADM Control - Research and Development Manager

- ADM Control Informática (Today part of RM Sistemas – <http://www.rm.com.br>)
- December/01/1993 to July/07/1995
- Activities: Programmers management and training; Analysis and design of a client/server system for Project Budget and Task control
- Main tools: Rational Rose, Microsoft Visual C++, Microsoft SQL Server, Watcom SQL Server

COMIG - Systems Analyst

- COMIG - Companhia Mineradora de Minas Gerais - Admission by Public Competition in 1st place
- June/03/1992 to January/13/1993
- Activities: Systems analysis and development; Administration of computer network
- Main tools: SunOS, Microsoft C/C++, ER Mapper, AutoCAD

CREDIREAL - Systems Analyst

- CREDIREAL Serviços Gerais e Construções S/A
- March/05/1992 to June/02/1993
- Activities: Information Technology Consultant

EDIMINAS - Systems Analyst

- EDIMINAS S/A (<http://www.hojeemdia.com.br>)
- January/01/1991 to November/30/1991
- Activities: Applications development for internal use; Installation and maintenance of the computer network for the “Hoje em Dia” newspaper; Author of the “Technology” column for the Computer Science page from July/1991 to February/1993

Internship and academic assistance

- DCC/UFMG - 2nd term 1991 - Post-Graduation teaching assistant: Numerical Calculus
- LCC/UFMG - Scientific Computation Lab. - November/1986 to July/1988 - Internship
- DCC/UFMG - March/1987 to December/1987 - Scientific scholarship - Project: Development of specialist system for linear algebraic equation systems resolution
- DCC/UFMG - May/1986 to December/1986 - Graduation teaching assistant: Numerical Calculus
- Chemical Dept./UFMG - March/1986 to August/1986 - Internship: Electronics Technician

Curricular Education

Cambridge General Management Certificate

- Cambridge Judge Business School, University of Cambridge, Cambridge, United Kingdom
- December/2009

Doctoral Degree on Computer Science

- UFMG - Federal University of Minas Gerais, Belo Horizonte, MG, Brazil (<http://www.ufmg.br>)
- Area: Software Engineering, Digital Image Processing, Multimedia, Distributed Processing
- March/1993 - Unfinished
- Approved in Qualification Exam

Master's Degree on Computer Science

- UFMG - Federal University of Minas Gerais, Belo Horizonte, MG, Brazil (<http://www.ufmg.br>)
- Computer Science Department (<http://www.dcc.ufmg.br>)
- Area: Digital Image Processing, Software Engineering (<http://www.npdi.dcc.ufmg.br>)
- March/1990 to March /1993
- Dissertation: PhotoPix: an object-oriented framework for digital image processing systems

Post Graduation studies on Electrical Engineering

- USP - University of São Paulo, São Paulo, SP, Brazil (<http://www.usp.br>)
- Area: Microelectronics
- August/1988 to December/1989

Graduation on Physics, BSc

- UFMG - Federal University of Minas Gerais, Belo Horizonte, MG, Brazil (<http://www.fisica.ufmg.br>)
- March/1985 to July/1988

Electronics Technician

- CEFET/MG - Federal Center for Technological Education of Minas Gerais, Belo Horizonte, MG, Brazil (<http://www.cefetmg.br>)
- From 1982 to 1984

Extracurricular Education and Professional Certification

MCSE (Microsoft Certified Systems Engineer) ID: 1417594

Java Certification

- Sun Certified Programmer for the Java™ 2 Platform; Site Number: BR 16; Test: 310-025; Candidate ID: SP1837095; March/1999; Validation: <http://www.galton.com/~sun/>

French Language Course

- FALE/UFMG - Faculty of Letters of UFMG, Belo Horizonte, MG, Brazil
- 240 hours - March/1993 to June/1995

Student volunteer for “SIGGRAPH 93”

- Sponsor: ACM SIGGRAPH - Anaheim Convention Center, Anaheim, CA, USA
- August/01-05/1993

English Language Course

- FALE/UFMG - Faculty of Letters of UFMG, Belo Horizonte, MG, Brazil
- 180 hours - August/1985 to November/1986

Certificate of Proficiency in English

- The University of Michigan - English Language Institute, November 27, 1993

ACM member – Association for Computing Machinery

- Member number: 4184479

Main Published papers

PhotoPixJ: uma Plataforma para Processamento Digital de Imagens em Java

- A.C.R. de Almeida, A.A.S. Sol & A. de A. Araújo
- XI SIBGRAPI - Brazilian Symposium of Computer Graphics and Image Processing (In Portuguese)
- October/20-23/1998, Rio de Janeiro, RJ, Brazil

A Metamodel for Distributed Multimedia Processing Systems Development

- A.A.S. Sol & A. de A. Araújo
- III Workshop of Thesis in Software Engineering of the XII SBES - Brazilian Symposium of Software Engineering
- October/13-16/1998, Maringá, PR, Brazil

PhotoPixJ: Plataforma em Java para Implementação de Algoritmos de Processamento Digital de Imagens

- A.C.R. de Almeida, A.A.S. Sol & A. de A. Araújo
- XII SBES - Brazilian Symposium of Software Engineering (In Portuguese)
- October/13-16/1998, Maringá, PR, Brazil

PhotoPixJ

- A.C.R. de Almeida, A.A.S. Sol & A. de A. Araújo
- Educational Software Session of IV WIE - Workshop of Computer Science in the School, during the XIX Congress of the SBC (Brazilian Computer Society)
- August/07/1998, Belo Horizonte, MG, Brazil

PhotoPix: an Object-Oriented Framework for Digital Image Processing Systems

- A.A.S. Sol & A. de A. Araújo
- Image Analysis and Processing - 8th International Conference, ICIAP '95 San Remo, Italy, September/13-15/1995
- (Lecture Notices in Computer Science. Vol. 974, pp. 109-114, ISBN 3-540-60298-4, Springer-Verlag, 1995)

PhotoPix: uma Plataforma para Sistemas de Processamento Digital de Imagens Orientada para Objetos

- A.A.S. Sol & A. de A. Araújo
- Proceedings of the VI SIBGRAPI - Brazilian Symposium of Computer Graphics and Image Processing (In Portuguese)
- Mar Hotel, Recife, PE, Brazil, October/19-22/1993, pp. 65-73

PhotoPix: a Color Quantization System

- A.A.S. Sol & A. de A. Araújo
- Proceedings of the 1993 PCS'93 - Picture Coding Symposium, pp. 18.12-14
- Swiss Federal Institute of Technology, Lausanne, Switzerland, March/17-19/1993

Extraction of Linear Geologic Structures from Remote Sensing Orbital Images

- A. de A. Araújo, B.S. Soares Filho & A.A.S. Sol
- Proceedings of the XVII Congress of the ISPRS - International Society for Photogrammetry and Remote Sensing
- Washington, DC, USA, vol. XXIX, Part B7, 1992, pp. 592-594

Otimização da Exploração Mineral com Uso de PDI e SGI na Plataforma SPARC

- J. C. Christophe da Silva, C.R. Franca, A.A.S. Sol & C.T. Carvalho
- 5th National Seminar “The Computer and its Application in the Mineral Sector”, Proceedings... (In Portuguese)
- Belo Horizonte, MG, Brazil, August/17-19/1992

Geoexpl: Implantação de um SGI para Exploração Mineral

- J. C. Christophe da Silva, C.R. Franca, A.A.S. Sol & C.T. Carvalho
- Brazilian Congress of Geology, Proceedings... (In Portuguese)
- São Paulo, SP, Brazil, 1992

Epitaxial Regrowth of Silicon on Sapphire by Rapid Isothermal Processing

- R. Madarazo, A.G. Pedrine, A.A.S. Sol & V. Baranauskas
- SPIE's Technical Symposium on Microelectronic, Processing & Integration (SPIE - Society of Photo-Optical Instrumentation Engineers)
- Santa Clara Marriot Hotel, Santa Clara, CA, USA, October/03/1990

SIRINEL User Manual

- Newton R. dos Santos & A.A.S. Sol
- Technical Report 009/1990 - DCC - ICEX - UFMG (Department of Computer Science of the Exact Sciences Institute of the Federal University of Minas Gerais), Belo Horizonte, MG, Brazil

Re-Epitaxia de Silício sobre Safira por Processamento Térmico Rápido

- R. Madarazo, A.G. Pedrine, A.A.S. Sol & V. Baranauskas
- X CBRAVIC - Brazilian Congress of Applications for Vacuum in Industry and Science (In Portuguese)
- Technological Institute of the Aeronautics, São José dos Campos, SP, Brazil, July/26/1989

Main Presented Courses

Mini-course "XQuery and XPath"

- IX SBLP – Brazilian Symposium on Programming Languages
- May/24/2005, Recife, PE, Brazil, 3 hours

Mini-course ".NET 2.0 Programming"

- IX SBLP – Brazilian Symposium on Programming Languages
- May/23/2005, Recife, PE, Brazil, 3 hours

Mini-course "Introduction to the C# Language"

- VII SBLP – Brazilian Symposium on Programming Languages
- May/30/2003, Ouro Preto, MG, Brazil, 3 hours

Mini-course "Introduction to the .NET Framework"

- VII SBLP – Brazilian Symposium on Programming Languages
- May/29/2003, Ouro Preto, MG, Brazil, 3 hours

Administration of Windows NT Servers

- Catholic University of Minas Gerais
- May/23/1998 to June/06/1998, Institute of Computer Science of PUC Minas, 24 hours

Instructor for the Extension Course in Systems Analysis of FUNDEP/UFMG

- Course: AS95-1; Disciplines: "Software Laboratory", "Laboratory of Information Systems", "Laboratory of Applications Development", "Visual Development Environments I, II, III"
- April/05/1995 to November/09/1995, DCC/ICEx/UFMG, Belo Horizonte, MG, Brazil, 123 hours

Software Development for the Windows Environment

- State University of Maringá - PET/CAPES
- December/14-16/1994, State University of Maringá, Maringá, PR, Brazil, 20 hours

Laboratory of Applications Development

- Discipline for the Extension Course in Systems Analysis of FUNDEP/UFMG (AS 94-2) (FUNDEP - Foundation for the Research Development)
- November/07/ 1994 to December/01/1994, DCC/ICEx/UFMG, Belo Horizonte, MG, Brazil, 33 hours

Mini-course "Programming for the Microsoft Windows Environment"

- 1st Computer Science Week of the UFV
- November/11/1993, Federal University of Viçosa, Viçosa, MG, Brazil, 6 hours

Mini-course "Programming for the Microsoft Windows Environment"

- XII JAI - Computer Science Update Journey, during the XIII Congress of the Brazilian Computer Society
- September/07-09/1993, Hotel Cambirela, Florianópolis, SC, Brazil, 6 hours

Programming in the C/C++ Language for the Microsoft Windows Environment

- FUNDEP - Foundation for the Research Development
- September/15/1992 to October/29/1992, DCC/ICEx/UFMG, Belo Horizonte, MG, Brazil, 60 hours

Advanced Windows

- FUNDEP - Foundation for the Research Development
- March/30/1992 to April/09/1992, DCC/ICEx/UFMG, Belo Horizonte, MG, Brazil, 24 hours

Introduction to the Windows Graphical Interface

- FUNDEP - Foundation for the Research Development
- November/26/1991 to December/17/1991, DCC/ICEx/UFMG, Belo Horizonte, MG, Brazil, 21 hours

Introduction to VM/CMS

- LCC/UFMG - Laboratory of Scientific Computation of UFMG
- Several occasions from November/1986 to July/1988, LCC/UFMG, Belo Horizonte, MG, Brazil, 20 hours

Main Presented Lectures

Pragmatic Security (in the cloud and on Earth)

- Microsoft Fargo Engineering Day 2011
 - May/03/2011, Fargo, ND, USA

Reusing Your Knowledge (in Portuguese)

- Unicamp – Universidade Estadual de Campinas
 - March/30/2010, Campinas, São Paulo, Brazil
- Microsoft Brasil, for students of IME/USP – Mathematics and Statistics Institute/University of São Paulo
 - March/31/2010, São Paulo, SP, Brazil

Debugging Your Mindset

- NxtGenUG Fest 09
- June/12/2009, Cambridge, United Kingdom

Doing Software in Large Software Companies

- NxtGenUG Event
- March/17/2009, Cambridge, United Kingdom

AutoCollage: The experience of going from a paper to a product

- Laboratoire d'Informatique de Paris 6
 - January/16/2009, Paris, France
- XXI SIBGRAPI - Brazilian Symposium of Computer Graphics and Image Processing – Invited Speaker
 - October/15/2008, Campo Grande, MS, Brazil
- IME/USP – Mathematics and Statistics Institute/University of São Paulo
 - October/14/2008, São Paulo, SP, Brazil

Tutorial “A Service-Oriented Application for an Enterprise Datacentre”

- Research meeting “The Rise and Rise of the Declarative Datacentre”
- May/12/2008, Cambridge, United Kingdom

Tutorial “Digital TV: The Software Components”

- XX SIBGRAPI - Brazilian Symposium of Computer Graphics and Image Processing
 - October/07/2007, Belo Horizonte, MG, Brazil
- Centro Federal de Educação Tecnológica de São Paulo
 - October/05/2007, São Paulo, SP, Brazil
- Universidade Estácio de Sá
 - October/04/2007, Rio de Janeiro, RJ, Brazil

SBTVD and Microsoft TV Technologies

- XIX SIBGRAPI - Brazilian Symposium of Computer Graphics and Image Processing
 - October/08/2006, Manaus, AM, Brasil

Applying academic knowledge in the Software Industry: caveats and comparisons between Brazil, USA and India

- IX SBLP - Brazilian Symposium on Programming Languages
 - May/23/2005, Recife, PE, Brasil

Tutorial "Web Services and Implications in Software Development"

- XVI SBES - Brazilian Symposium of Software Engineering
 - October/17/2002, Gramado, RS, Brazil, 3 hours

Tutorial “Development of Digital Image Processing Systems in the Java(tm) Language”

- IX SIBGRAPI - Brazilian Symposium of Computer Graphics and Image Processing
- October/29/1996, Caxambu, MG, Brazil, 4 hours

Programming in C++ for the Windows Environment

- Cycle of Lectures in Computation
- October/18/1994, Catholic University of Minas Gerais, Belo Horizonte, MG, Brazil

Distributed Processing in Windows NT

- 1st Microsoft Solutions Seminar
- December/13/ 1993, São Paulo, SP, Brazil

Porting Programs in C++/MFC to Windows NT

- 1st Microsoft Solutions Seminar
- December/13/ 1993, São Paulo, SP, Brazil

Introduction to C++ Programming for Windows

- 3rd Microsoft Developers Seminar
- May/12/1993, São Paulo, SP, Brazil

Tutorial “Programming for the Windows Environment”

- V SIBGRAPI - Brazilian Symposium of Computer Graphics and Image Processing
- November/09/1992, Águas de Lindóia, SP, Brazil, 6 hours

Introduction to C++ Programming using the MFC Library

- 2nd Microsoft Developers Seminar
- November/05/1992, São Paulo, SP, Brazil