

# Monica J. Maurer

Bucharest, Romania  
E-mail:

Date of birth: 5<sup>th</sup> January 1974  
Nationality: Romanian, USA  
Civil status: Divorced, 2 children  
Mobile: +

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## EDUCATION

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**1996- 1998**

**Brown University**

Providence, RI [www.brown.edu](http://www.brown.edu)

**Master of Science in Engineering**

Department of Biomedical Engineering.

Concentration in medical visualization and image processing.

Thesis research at Fraunhofer Center for Research in Computer Graphics.

Masters thesis "Computer Interactive Design for Prosthetic Devices in Joint Replacement Surgery"

GPA 3.2/4.0

**1992 -1996**

**Johns Hopkins University**

Baltimore, MD [www.jhu.edu](http://www.jhu.edu)

**Bachelor of Science in Engineering**

Department of Biomedical Engineering.

Concentration in electrical and computer engineering.

Honors thesis research in the Medical Image Processing Laboratory, Johns Hopkins University Medical Center, Department of Biomedical Engineering.

Honors thesis "Left Ventricular Edge Detection in Tagged Cardiac MR Images"

GPA 3.3/4.0

**1994**

**London School of Economics**

London, UK [www.lse.edu](http://www.lse.edu)

International Portfolio Management

Corporate Finance

GPA 4.0/4.0

**High School Education**

1990-1992 The Shipley School, *Bryn Mawr, PA, USA*

1990 Viktoria School, *Essen, Germany*

1988-1990 Petru Groza Informatics High School, *Bucharest, Romania*

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## EMPLOYMENT AND RESEARCH APPOINTMENTS

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**2009 – pres    Ministry of Economy, Trade and Business Affairs  
Government of Romania**

Chief Advisor to the Minister, International Relations and Finance

Coordinating relationships with the international financial institutions and overseeing various initiatives at the level of Ministry implementation and the companies subordinated. Overseeing and coordinating investment projects for the acquisition of financial services for the state-owned companies within the energy sector. Aid to the Minister of Economy in management of activity with the EBRD, World Bank, IMF, EIB and others. Coordinating the strategic partnerships with Unicredit Tiriac Banc, BancPost EFG, BRD Societee Generale Bank, and BCR Erste Bank within the energy sector. Member of the Energy Restructuring Supervisory Board overseeing the inception of the two national champions Hydroenergetica and Electra. Member in Exim Bank Inter-ministerial Committee for State-Aid and State Guarantees. Member in the Investment Board of the Jeremy Fund, part of European Investment Fund. Other tasks involve the privatization activity of the Ministry of Economy and the initiative to strengthen the Romanian Stock Exchange (BSE) through appropriate measures and coordination of a successful privatization program with a roll-out effect that will ensure more volume and higher liquidity in the market.

**2004 – 2008    ACD Research Inc.**

New York, USA [www.acdresearch.com](http://www.acdresearch.com)

ACD Research Inc. specializes in Research Development, Healthcare Strategic Master Planning, Market Feasibility Studies, Medical Equipment Procurement and “Turn-key” Healthcare Projects. ACDR regularly serves hospital systems, medical centers, diagnostic and laboratory facilities, and R&Ds of healthcare development companies. Moreover, the company is an international consultant who has been involved in strategizing major integration efforts of healthcare reform and refurbishing endeavors of Eastern and South Central European healthcare systems.

***2007 – 2008 Chief Operating Officer***

Managing the logistics and implementation of large scale projects in the medical technology field. In charge of the partner alliance and developing strategies for the Romania market via Integrine ([www.integrine.ro](http://www.integrine.ro)). Based in Bucharest, Romania.

***2004 – 2007 Chief Technology Officer***

Managing technology partnerships and technology solutions world-wide for the turn-key projects of the company.

**2000 – 2007    Advantage Software Factory**

Founder                      Bucharest, Romania [www.asf.ro](http://www.asf.ro)

***Jan 2004 – Mar 2007    Executive President Board of Directors***

***Feb 2000 – Dec 2003    Chief Executive Officer***

The Company designs, develops, and implements software applications and devises business-critical information technology solutions such as applications development, systems integration, conversion services and Migration of IT platforms, eServices, and outsourcing. ASF covers all areas of system design, management, and maintenance, including the e-business domain. The company is a medium size Romanian-based multinational software company with a social capital of 1.5 million USD and 30 employees.

- First round of financing finalized in December 2000 was of 1.100.000 USD

- Second round of financing finalized in February 2004 was of 400.000 USD

Investors in the company are Romanian Post Privatization Fund (European Bank for Development and Reconstruction, EU, GED Capital), Carmille Ventures (USA), Blue Ribbon Private Equity (Germany), Roland Berger (Austria), Hill International (Netherlands). The company is ISO 9001 certified.

**1998 - 1999            Sturza's Medical Research**

New York, NY [www.sturzas.com](http://www.sturzas.com)

**BUY-Side Analyst**

Medical Technology

Technology assessments in the medical devices, biotechnology, and generic drug markets with detailed analysis reports on clinical studies data, efficacy versus safety profiles.

Intensive consultations with various specialists in the medical fields about product acceptance, drug efficacy, ease of use, reimbursement.

**1996 – 1998            Fraunhofer Center for Research in Computer Graphics**

Providence, RI [www.crcg.edu](http://www.crcg.edu)

**Research Assistant**

Medical Visualization group.

Member of the research team responsible for the development and implementation of an interactive collaborative planning tool for surgical simulation and prosthetic design in the field of orthopedics. Software development, mainly in C++.

Medical data volume visualization techniques, partial-automated segmentation algorithms and other image processing methods were implemented.

Responsibilities involved funding acquisition and grant proposal writing.

Presentations of research data at various conferences.

Privately owned company.

**1996 – present        MJM Biotech Inc**

Founder

New York, NY [www.mjmbiotech.com](http://www.mjmbiotech.com)

**President**

*Shareholder*

- MJM Biotech is a New York based medical consulting company specialized in delivering medical conferences to doctors all over the world. Orientation and profile are medical events coordination, consulting and multimedia.
- Organization of national and international medical conferences. "Critical Issues in Respiratory & Critical Care Medicine: Science & Technology" in 1998, 1999,

2000, France and "Update in Orthopedic Surgery & Wound Healing & Endoscopic Surgery" in 1998, 1999 US Virgin Islands, USA in joint management with Staten Island University Hospital, NY, USA.

- Produced 5,000 CD-ROMs covering major medical conferences for Johnson & Johnson. Complete audio/video coverage with intense 3D graphics presentation. Development of CD-ROM in QuickTime and 3D Studio Max.
- The company partnered with Globix Corporation ([www.globix.com](http://www.globix.com)) to deliver medical conferences online

**1995-1996**

**Johns Hopkins Medical Center**

Baltimore, MD

**Research Assistant**

Medical Image Processing Laboratory

Honors thesis research and development of image processing algorithm for edge detection in Tagged Cardiac MR images. In charge of the development and implementation of a neural network based algorithm. Development in C and MATLAB.

**Summer 1994**

**St. Mary's Hospital**

London, UK

**Research Internship**

Department of Pediatrics.

Design of a computer model to regulate blood transfusion levels in sickle cell diseased infants. Development in PASCAL.

**Summer 1993**

**Guilford Pharmaceuticals Inc.**

Baltimore, MD [www.guilfordpharm.com](http://www.guilfordpharm.com)

**Internship 3 months**

Aided in the preparation of the FDA Phase 3 Application of Guilford's lead product GLIADEL®, a novel treatment for malignant glioma, most primary form of brain cancer.

**Fall 1993**

**T. Rowe Price Associates**

Baltimore, MD [www.troweprice.com](http://www.troweprice.com)

**Internship 3 months**

Internship in the equity research department.

**1992-1994**

**Johns Hopkins Medical Center**

Baltimore, MD [www.jhbmc.jhu.edu](http://www.jhbmc.jhu.edu)

**Research Assistant**

Protocols for the analysis of the cardiovascular physiology. Performed microsurgical techniques on laboratory animals.

Summer 1992

**Cooper Hospital**

UMDNJ/Robert Wood Medical Center  
Camden, NJ [www.umdnj.edu](http://www.umdnj.edu)

**Research Internship**

Department of Nuclear Medicine.

Simulated radioactive tracing in liver metastasis.

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**ADDITIONAL PROFESSIONAL ACTIVITIES**

Summer 1997 **SIGGRAPH** *Los Angeles, CA*

International Conference on Computer Graphics and Interactive Techniques

**Workshops:**

Programming with OpenGL

Design and Application of Object-Oriented 3D Visualization Systems

Physically Based Models: Principles and Practice

OpenGL and Window System Integration

Summer 1996 **Computer Assisted Radiology** *Paris, France*

**Workshops:**

Computer Assisted Orthopedic Surgery

DICOM/MEDICOM Worklist Management

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**PROFESSIONAL SOCIETIES**

American Association of Medical Instrumentation – *AAMI*

Society of Women in Engineering – *SWE*

Society of Computer Assisted Radiology – *SCAR*

International Society of Computer Aided Surgery – *ISCAS*

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## TECHNICAL SKILLS

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**Languages:** BASIC, FORTRAN, PASCAL, C/C++, VisualBasic

**Software Packages:** MS Office, SPSS, MATLAB, WTK, TeleInVivo, Khoros, Aphelion

**Platforms:** UNIX, Windows NT

## LANGUAGES

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Native: Romanian  
Fluent: English, German  
Moderate: French

## AWARDS

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1991 Advanced Placement Scholar, College Board of Education, USA  
1992 Certificate of Excellence for German, Goethe Institute, USA  
1993 General Electric Fellowship Award, Minority Students and Women in Engineering Association, USA  
1994 Departmental Honors Award, Johns Hopkins University, USA  
2001 Entrepreneur of the Year Award, EBRD Annual Meeting, London, UK

## PUBLICATIONS AND PRESENTATIONS

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**Maurer MJ**, Coleman J, Daniels J, Hoffman DC. *Computer Assisted Surgical Planning System for Total Joint Replacement Surgery of the TMJ*. Presented at *Orthodontics*, Woodbridge, NJ, Nov. 1997.

**Maurer MJ**, Coleman J, Savchenko A, Hoffman DC, et al. *Collaborative and Interactive System for Temporomandibular Joint Surgery*. Accepted at MMVR '98, San Diego, CA, Jan 1998.

Coleman J, **Maurer MJ**, Savchenko A, Bono P. *Computer Interactive Design for Prosthetic Devices in Orthopedic Surgery*. Accepted in **Current Issues in Surgery, Computer Assisted Surgery**, St.Thomas, U.S. Virgin Islands, Jan. 1998.

Coleman J, **Maurer MJ**, Savchenko A. *Collaborative Testbed for Maxillofacial Surgery*, *Computer Graphik Topics*, 9(2), p.16-18; 1997.

**Maurer MJ**, McVeigh E. *Left Ventricular Edge Detection in Tagged Cardiac MR Images*, Honors Thesis, May 1996.

## ADDITIONAL INFORMATION

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Upon request recommendation letters and