

Joseph D. Mancuso

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EDUCATION

University of Michigan, Ann Arbor, Michigan

- Continuing Education, School of Music, September 2001 to May 2002
- Master of Science in Engineering, Electrical Engineering Systems, May 1996 (1½ yrs)
- Bachelor of Science in Engineering, Electrical Engineering, December 1994 (3½ yrs)

Stuyvesant High School, New York City, New York

- Stuyvesant & NYC Regents Diplomae; program in advanced science/mathematics, June 1991

COURSEWORK

- signal and image processing
- computer and DSP programming
- digital and analog system theory
- visual and technical communications
- mathematics and signal theory
- mechanical dynamics / physics
- electromagnetics
- written and aural music theory
- music composition and sequencing
- sound recording / audio engineering
- sound synthesis
- algorithmic composition
- acoustics / speaker engineering
- multimedia hardware and software applications

COMPUTER SKILLS

- 23+ yrs computer/network/Internet experience
- word proc, publishing, spreadsheets, mgmt
- digital audio, MIDI, multimedia, web design
- technical & creative programming/admin work
- PC, Macintosh, UNIX, DSP, other platforms
- MS Word, PowerPoint, Excel, Project, others
- ProTools, Vision, Photoshop, GIMP, others
- Matlab, Perl, C, HTML/CGI, LISP, others

EMPLOYMENT EXPERIENCE

General Dynamics Advanced Information Systems Inc. - March 2004 to Present

- Program Manager: program/proposal/task mgmt, reporting, contract development, customer rel
- Principal Scientist in Research: programming, algorithm design, collaborative environments
- Technical/proposal writing, data/config mgmt, team/task leadership, active DoD/TS/SCI

Freelance Audio Engineer and Private Instructor - April 2003 to Present

- Executive Sound Engineer for full-length independent film (*Once Brothers*, 2004)
- Private Instruction & Freelance Work in audio engineering, production & performance

Self-Produced Performing and Recording Artist - November 1995 to Present

- Diverse vocal & instrumental arranging, composition & performance
- Musical Director/Scoring, independent short (*Snowdown*, 1995) & feature (*Play the Muse*, 1996)
- Coordination, recording, design & production of original recordings on CD/vinyl/cassette formats
- Engineering/production, motion picture soundtrack for 1996 Independent Feature Film Market
- Management/promotion/booking/production of solo and ensemble live events
- Graphic design & writing for production and promotion
- Web design and site administration
- Acoustic Guitarist / Lead Vocalist, independent acoustic folk/rock ensemble (North)
- Lead Vocalist / Co-Founder, professional 11-pc swing/blues/dance band (The Johnstown Cats)

Washtenaw Community College, Ann Arbor, MI - May 2003 to May 2004

- Faculty Instructor in Audio Engineering for major technical program: teaching, curriculum design

Solid Sound Inc., Ann Arbor, MI - September 2000 to February 2004

- Studio Manager/Engineer at leading regional recording studio / media duplication/prod operation
- Professional recording/mixing of diverse music/voiceover material
- Digital editing, mastering, project management, production
- Sales, mgmt, customer/industry rels, graphics, purchasing, accounts, shipping/receiving

Michigan Assoc for Deaf, Hearing & Speech Services, Lansing, MI - Summers, 2000-2002

- Counselor & Instructor at Camp Chris Williams for Deaf and Hard-of-Hearing youth
- Program enrichment & direct responsibility for campers; fellow staff support
- Use of American Sign Language (ASL)

ERIM International Inc., Ann Arbor, MI - Summer 1995, July 1996 to July 2000

- Research Engineer: counter-mine, FoPen/G-Pen SAR, highway lane-detection, biomed, other
- Algorithm design, coding, evaluation & documentation; software & data shipment
- Neural nets, model-based & statistical methods; sensor fusion; real data collection/processing
- On-site customer consultation; field experiment design/supervision for landmine detection
- Conference presentation/publication of research; long-term rotation to remote customer site
- UNIX system administration; website design/coordination

University of Michigan Resident Staff, Bursley Hall, Ann Arbor, MI - School Years 1993-1996

- Resident Advisor: varied educational responsibilities with residents & student organizations

University of Michigan Housing Computing Sites, Ann Arbor, MI - School Years 1991-1995 +

- Training/consulting to students/staff; site support; development of educational materials

University of Michigan School of Music, Ann Arbor, MI - Summer 1994

- Television production/promotion; broadband applications development; system maintenance

Star Quest Inc., New Hope, PA - Summers 1992-1993

- Interactive database management; custom software/publication design; industry/customer rel

Ron Rod Originals, New Hope, PA - Summer 1991

- Gallery operations; sales of studio/consigned sculpture/flatwork; production assistance to artists

ACTIVITIES AND ACHIEVEMENTS

- Excellence Awards for Winning Proposal Management & IT Security Task Management, 2006
- Engineer for Billboard Top-10 Recording (*Lookin' For Trouble*, Kim Wilson), 2003
- Published/Presented Author, Federated Laboratories Symposia, 1999, 2000
- Logo Design Coordinator, Ann Arbor Ultimate Summer League, 1999, 2000
- Instructor/Chaperone, The Roeper School, Crossroads Education Project, Summer 1998
- Professional Voice Training, December 1996 to January 2002
- University of Michigan Digital Music Ensemble (3 terms)
- University of Michigan Gentlemen a cappella ensemble, Founding Member (3 terms)
- Student Stand-up & Improvisational Comedy, University of Michigan (6 terms)
- Eagle Scout, Class of 1991
- FCC-licensed Amateur Radio Operator KA2YSU (since 1986), Technician+ Class