Joseph D. Mancuso

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Objective

To apply my skills in engineering and music toward technical and creative projects in a position offering opportunities to expand my knowledge and experience

Education

University of Michigan, Ann Arbor, Michigan
Master of Science in Engineering, Electrical Engineering: Systems, Signal Processing
Graduated May 1996 (3 terms)
Bachelor of Science in Engineering, Electrical Engineering
Graduated December 1994 (3 1/2 years) Cum Laude
Stuyvesant High School, New York City, New York
Diploma program focusing in advanced science and mathematics
Graduated June 1991

Coursework

Signal and image processing, random processes and signal theory, acoustics, physics of music, speaker engineering, computer sequencing and composition, sound recording, computer programming including music applications, music composition, digital electronics, logic design, circuit theory, analog circuits, electromagnetics, dynamics, physics, visual and technical communications.

Computer Skills

IBM systems, including desktop publishing and programming. Macintosh systems, including multimedia and MIDI applications, networks, programming. UNIX operation and programming. DSP assembly. Internet experience. Over 12 years of computer experience. Languages: C, LISP, PASCAL, HTML, Perl, MATLAB

Experience

Environmental Research Institute of Michigan (ERIM)
Summer of 1995, July 1996 to Present; Ann Arbor, Michigan
• Design and program image and signal processing algorithms for sensor systems
• Evaluate and document algorithms and software for image and signal processing
• Design and support World Wide Web documentation for technical projects
University of Michigan School of Music
Summer of 1994; Ann Arbor, Michigan
• Developed broadband communications applications for the UMTV Demonstration Project, including maintenance, program production and promotion
University of Michigan Resident Staff, Bursley Hall
August 1993 to May 1996 (schooltime); Ann Arbor, Michigan
• Resident Advisor
• Performed duties including assisting residents, providing educational programming, coordinating volunteer groups and enforcing housing policy
Star Quest, Incorporated
Summers of 1992 and 1993; New Hope, Pennsylvania
• Responsible for computer operations, interactive database management and project development, including design of custom applications and sales and promotion

Achievements

Eagle Scout, Class of 1991
Scored independent feature film via independent study, Spring 1996
Digital Music Ensemble (September 1993 to May 1994) at U of M
• Projects include computer multimedia and hardware modification
Self-produced recordings of original music EP and LP, 1995 and 1996
Technician-plus class amateur radio operator, license upgrade August 1994