

DANIEL JAMES OVERHOLT
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Objective

- I am interested in the research and development of hardware and software for music technology, as music and electronics are two things that I truly enjoy. My academic and professional objectives involve a position that will allow me to develop products for professional musicians.

Education

- Massachusetts Institute of Technology: Graduated Sept, 2000.
Master of Science in Media Arts and Technology (Hyperinstruments Research Group).
- California State University, Chico: Graduated Dec, 1997.
Bachelor of Science in Computer Engineering (Emphasis: Digital Signal Processing).
Bachelor of Arts in Music (Emphasis: Violin / Recording Arts), Minor in Mathematics.
- Workshops (1995-present): Stanford University's CCRMA (Center for Computer Research in Music and Acoustics), U.C. Berkeley's CNMAT (Center for New Music and Audio Technologies)

Experience

- E-mu Systems, Inc: Digital Audio Hardware Design Engineer. Scotts Valley, California.
Developed prototype hardware at board level (Motorola ColdFire) and chip level (VHDL/FPGA).
- Eventide, Inc: Hardware/Software Engineer. Little Ferry, New Jersey. Designed prototype DSP boards, developed real-time embedded software on Motorola 68k and 56k processors in assembly.
- Recording Engineer, Studio Musician, and Computer Music Consultant: My work has been included on many CDs, and has been broadcast on several radio and television stations.

Activities/Honors

- Violinist: Performed as soloist with the Chico Symphony Orchestra, including Mozart and Mendelssohn violin concertos, and Dan's Medley (an original arrangement of jazz standards).
- Composer: Compositions include both solo and small ensemble pieces. I have written music for computer generated tape as well as acoustic instruments and live interactive performances.
- Championship Fiddler: Six-time winner of the California State Fiddling Championships, Five-time winner of the Fanciest Fiddling Prize at the National Fiddling Contest.
- Violin teacher (classical, jazz, and country), Taught Music 205Y at C.S.U. Chico, 1995.

Achievements

- MIT Research Assistanship (1998-2000): The Media Laboratory provided this scholarship to cover tuition and cost of living while attending the Massachusetts Institute of Technology.
- TEC Awards Scholarship Grant (1996): The Mix Foundation for Excellence in Audio provided this award at the 12th Annual Technical Excellence & Creativity Awards.
- Jerry Nunes Memorial, Lotys Sandstrom Gibb Memorial & the C.S.U. Chico Alumni Scholarships (1995, 1996): These are Electronics and Computer Engineering scholarships.
- Chico Symphony Scholarship (1992, 1993, 1994, 1995): This C.S.U.C. Music Department scholarship is presented by the Chico Symphony Guild for excellence in performance.

Engineering Skills

- Hardware development: PCB design (Protel, Tango) and FPGA/VLSI design (VHDL, Verilog).
- Software development: MacOS (Code Warrior), Windows NT and 2000, Unix, and MatLab.
- Programming languages: C, C++, and assembly in Mac, PC, or embedded environments.

Professional Affiliations

- Member of the following societies: AES (Audio Engineering Society), IEEE (Institute of Electrical and Electronics Engineers), & ICMA (International Computer Music Association).

Personal Interests

- FCC licensed Ham Radio Operator.
- FAA licensed Private Pilot, Single Engine Land & Sea.
- Scuba diving and mountain biking are also things that I enjoy.

References

- Available upon request.