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Curriculum Vitae

Background and Experience

Summary

As a photographer, multimedia artist and electronic musician, I have worked extensively with art and technology. I also have more than twenty years experience in computer science and engineering with a strong background in computer programming and systems design – starting in the Silicon Valley area of Northern California. I have developed software programs for computer games, graphics, digital music, textile design and the Internet, as well as medical applications and industrial control systems. I have been a featured speaker and participant in a number of international meetings and conferences related to Internet marketing and technology. I taught Computer Science and Technology at Acadia University and at the Nova Scotia Community College. I served on the Community College Board of Governors. Currently I am composing electronic music and working on multimedia projects involving the use of software to explore the interaction of sound and visual images.

Highlights

Photography

- 2003-2006 My work was included in the traveling photo exhibit, *The Whole World is Watching*, and in the book of the same name, published by the Berkeley Art Center Association
- 2002 Two of my photographs were installed as photomurals on the Berkeley Campus of the University of California.
- 1999 The British Broadcasting Company (BBC) included several of my photographs in their *Open University* series of Internet courses.
- 1993 A selection of my photographs was included in the book *The Free Speech Movement*, written by calligrapher and graphic artist David Lance Goines, Ten Speed Press, Berkeley, California.
- 1963-74 Worked as a freelancer, photographing activities, demonstrations, places and people in the San Francisco Bay area. My photographs appeared in many local newspapers and magazines.
- 1970 Employed by the *Farm Workers' Health Service* of the California Department of Public Health to document living and working conditions in California's rural areas. These photographs were shown in traveling exhibits and appeared in numerous US government publications
- 1964 *Aspects of Oakland*, a privately printed volume of photographs of inner city neighborhoods in Oakland, California was presented to the Governor of the state by a group of churches and community organizations. These photographs can be seen on the World Wide Web at <http://exit0.com/howard/oakland/>
- 1964 Diablo Press published *The Trouble In Berkeley*, in which many of my photographs of the Free Speech Movement appeared
- 1963-64 Studied photography with John Collier, Jr., a former US Farm Security Administration photographer.

Multimedia and Electronic Music

- 2003 Three multimedia pieces presented at Halifax's Khyber Club.
- 2002 Provided opening and *entre act* music for the Halifax Experimental Music Festival.
- 2001 Established and led a series of Sunday afternoon "Cybermusic Cafes" at the Nova Scotia Community College's Bell Road campus.
- 1987 An electronic music composition was performed as part of a contemporary art exhibit at the St. Mary's University Art Gallery.
- 1986 Worked with curator and artist Leighton Davis to set up a Creativity Lab at the St. Mary's University Art Gallery. Served as a technical advisor for the Lab and taught a class in the "Principles of Music Synthesis".
- 1975-79 Began using electronic music synthesizers and performed with theatre groups in the San Francisco Bay area.

Software Development

- 2005-2006 Developed and distributed *Golden Ear*, a computer program for listening to podcasts that looks and works like an old fashioned radio. This is available on the World Wide Web at <http://brooklynnorth.com>
- 1994-1999 As founder and President of *Brooklyn North Software Works*, developed and successfully marketed *HTML Assistant Pro*, the first web page editor to reach the market.
 1. *HTML Assistant Pro* received honors and accolades worldwide including *PC Magazine UK* Editor's Choice and US Government Best Buys awards. Writing in the US edition of *PC Magazine*, pundit John C. Dvorak referred to *HTML Assistant Pro* as "the standard HTML editor by which all others are judged." *HTML Assistant Pro* was prominently mentioned in magazines like *Esquire* and *News Week*.
 2. The program has been included in many Internet books and CDs – most notably, the best selling *Web Page Construction Kit*, published by Macmillan; *Mosaic for Dummies*, an early release in IDG's very successful *Dummies* series; and the *Internet Starter Kit* brought out by McGraw-Hill in Europe.
- 1979-81 Worked with a San Francisco Bay Area consulting firm headed up by pioneering video artist Stephen Beck. We developed some of the earliest microprocessor based games and toys for companies that included *Milton-Bradley* and *Parker Brothers*.
- 1979 Developed a computerized display system for San Francisco disco dances that employed an Apple II personal computer for controlling visual images with music.
- 1978 Developed and marketed *Video Loom*, the first textile design program for a personal computer. Featured by Apple Computer Corporation in its promotional literature, *Video Loom* was marketed worldwide to textile designers, handweavers and educational institutions – including the Nova Scotia College of Art and Design.

Teaching

- 1999-02 Appointment to Nova Scotia Community College Board of Governors
- 1983-96 Nova Scotia Community College, Institute of Technology Campus -- Instructor, Computer Technology
- 1982-83 Acadia University, School of Computer Science – One-year temporary appointment (sabbatical replacement) as Professor of Computer Science

Education

- Post MA work in the History and Philosophy of Science, University of California, Berkeley, CA
- MA, History of Science, University of Pittsburgh, Pittsburgh, PA
- BChE, Chemical Engineering, The Cooper Union for the Advancement of Science and Art, New York, NY
- Numerous non-credit courses in photography, graphics and mathematics

Scholastic honors and awards

- Woodrow Wilson Fellowship for the Study of the History of Science
- US National Science Foundation Competition, Honorable Mention
- New York State Board of Regents Scholarship