

Norman K. Meyrowitz

174 Caselli Avenue
San Francisco, CA 94114

Curriculum Vitae

March, 2020

EDUCATION

June 1981 **Sc. B. Computer Science, Brown University, Providence, RI.** Honors Thesis:
BRUWIN: A UNIX-Based Color Graphics Window Manager/Virtual Terminal System.

PROFESSIONAL APPOINTMENTS

2020 **Adjunct Professor of the Practice of Computer Science,** Brown University,
Providence, RI.

1999-2004 **President of Products,** Macromedia, Inc., San Francisco, CA, publicly traded company.
Oversaw staffing, development, and marketing of a number of hit commercial software
products (Director, Shockwave, Dreamweaver, Flash, FreeHand, Fireworks,
ColdFusion, Flex) with aggregate revenue approach \$1B and downloads of Flash
Player approaching 4 billion, making it one of the most widely-used pieces of software
in history.

1995-1999 **Vice President of Engineering,** Macromedia, Inc., San Francisco, CA.

1993-1995 **Director of Advanced Technology,** Macromedia, Inc., San Francisco, CA.

1991-1993 **Director of Software,** GO Corp, Inc., Foster City, CA, a Kleiner Perkins-funded startup
pioneering tablet and pen computing.

1981-1991 **Brown University.** From October 1981 thru 1991, served in various positions at Brown
University and was named one of the 100 most influential alumni of the 20th century
by the Brown Alumni Monthly. He wrote one of the first graphical windowing systems
and wrote research proposals that gleaned more than \$25 million in funding. Co-
Founded and was Co-Director of the University's Institute for Research in Information
and Scholarship (IRIS).. Managed and was the principal architect of
IRIS's Intermedia system, a networked, multi-user hypermedia system that was a key
influence on both Tim Berners-Lee, inventor of the World Wide Web and Marc
Andreessen, inventor of the Mosaic/Netscape browser (the 3rd ever HTML document
talked about how Intermedia kept track of links). In the mid-1980s co-founded two
academic conferences on Hypertext and Object-Oriented Programming; both
conferences exist to this day.

July 90 - March 91 **Co-Director,** Institute for Research in Information and Scholarship, Brown University.
Responsible for funding, administration, and research direction for applied research
institute focused on future information technologies.

- July 87 - July 90* **Associate Director**, Institute for Research in Information and Scholarship, Brown University. Manager and chief technical architect for area charged with research in hypertext, multimedia, user interface, and object-oriented systems.
- July 83 - June 87* **Scholar's Workstation Group Manager**, Institute for Research in Information and Scholarship, Brown University. Manager and chief technical architect for a 10-person group researching and developing multimedia tools for teaching and research in a university community; technical liaison with outside vendors and university consortia.
- Oct 81 - July 1983* **Research Scientist**, Department of Computer Science, Brown University. Perform research in areas of text editing and processing, object-oriented programming, and graphic-based networked workstations.
- Jan - Feb 83* **Adjunct Faculty Member**, Rhode Island School of Design. Taught W045, A Survey of Computing, to 35 RISD students during winter session.
- July - Sept 81* **Member of the Technical Staff**, Bolt Beranek and Newman Inc., Cambridge, Massachusetts. Worked on team projects in operating systems and networking.
- 1981* **Research Assistant**, Brown University Computer Science Department. Worked with Dept. Chairman Andries van Dam, on projects in graphics, text-editing, office automation, and course design. One of 20 students selected for such a position university-wide.
- 1981* **Lecturer**, Brown University Computer Center. Taught Computer Center sponsored seminars, open to the entire university, concerning system use and word processing for novices.

PUBLICATIONS

- Articles*
- (with M. Moser), "BRUWIN: A UNIX-based Color Graphics Window Manager/Virtual Terminal System", Proceedings of the Eighth Symposium on Operating Systems Principles, Pacific Grove, CA, December 13-16, 1981.
- (with A. van Dam), "Interactive Editing Systems: The Core of Online Thinking," OAC '82 Digest, April, 1982.
- (with A. van Dam), "Interactive Editing Systems: Part I," Computing Surveys 14, 3, September, 1982.
- (with A. van Dam), "Interactive Editing Systems: Part II," Computing Surveys 14, 3, September, 1982.
- (with A. van Dam), "Interactive Editing Systems," in Document Preparation Systems, Coray, Nievergelt, and Shaw, ed. (Amsterdam: North-Holland Publishing Co.), 1982.
- (with A. van Dam), "Personal Computer Networks and Graphics for Education," Polyrama on Graphics, Lausanne Switzerland, 1982.
- (with M. Brown and A. van Dam), "Personal Computer Networks and Graphical Animation: Rationale and Practice for Education," Proceedings of the Fourteenth SIGCSE Conference on Computer Science Education, Orlando, FL, February, 1983.

(with A. van Dam), "Text Editing Systems," in *Encyclopedia of Computer Science and Engineering*, Second Edition, A. Ralston, ed. (New York: Van Nostrand Reinhold Company), 1983, pp. 1495 - 1516.

(with W. Shipp and A. van Dam), "Networks of Scholar's Workstations in a University Community," *Proceedings of IEEE Comcon Fall '83*, Arlington, VA, September, 1983.

(with A. van Dam), "Interactive Editing Systems: Part I," BIT, Tokyo, Japan, September, 1983 (Japanese translation).

(with A. van Dam), "Interactive Editing Systems: Part II," BIT, Tokyo, Japan, September, 1983 (Japanese translation).

(with N. Yankelovich and A. van Dam), "Reading and Writing the Electronic Book," *Computer* 18, 10, October, 1985, pp. 15-30.

"Intermedia: The Architecture and Construction of an Object-Oriented Hypertext/Hypermedia System," *Proceedings of OOPSLA '86*, Portland, Oregon, Sept 29 - Oct 2, 1986.

(with L.N. Garrett, and K.E. Smith), "Intermedia: Issues, Strategies, and Tactics in the Design of a Hypermedia Document System," *Proceedings of the Conference on Computer-Supported Cooperative Work*, Austin, Texas, December, 1986, pp. 163-174.

(with N. Yankelovich, L.N. Garrett, and K.E. Smith), "Issues in Designing a Hypermedia System: The Intermedia Case Study," in *Multimedia and Education*, Apple Computer, Inc., 1987.

"The Missing Link: Why We're All Doing Hypertext Wrong," Position Paper for Hypertext '87 Conference, Chapel Hill, NC, November, 1987.

(with N. Yankelovich, L.N. Garrett, and K.E. Smith), "Issues in Designing a Hypermedia System: The Intermedia Case Study," to appear in *Interactive Multimedia*, (Redmond, WA: Microsoft Press., 1988, pp. 33-86.

(with N. Yankelovich, B. Haan, and S. Drucker), "Intermedia: The Concept and Constuction of a Seamless Information Environment," *Computer* 21, 1, January, 1988, pp. 81-96.

"The Missing Link: Why We're All Doing Hypertext Wrong," in *The Society of Text: Hypertext, Hypermedia, and the Social Construction of Information*, ed.. Edward Barrett, (Cambridge, MA, 1989).

"The Link to Tomorrow," *Unix Review*, February, 1990, pp. 58-67.

"Intermedia: The Architecture and Construction of an Object-Oriented Hypertext/Hypermedia System," *Proceedings of OOPSLA '86*, to be translated into Russian, 1990.

Technical Reports

(with M. Vickers, J. Pato, and A. van Dam), "COGS: A Configurable Graphics System," CS-82, November, 1981.

(with M. Brown and A. van Dam), "Personal Computer Networks and Graphical Animation: Rationale and Practice for Education," CS-82-51, December, 1982.

"Networks of Scholar's Workstations: End-user Computing in a University Community," IRIS 85-3, June, 1985.

"The Object C Report," IRIS Technical Report 85-6, July, 1985.

"The Intermedia System: A Software Framework and Applications for Education and Research," IRIS, September, 1985.

"The Inheritance C Report: An Object-Oriented Extension to C," (Revision of "Object C Report") IRIS, Technical Report 85-6 revised.

(with P. Kahn), "Technical Observations: A Response to the Getty AHIP/Brown Art History Report," IRIS Technical Report 88-1.

(with P. Kahn), "Guide, HyperCard, and Intermedia: A Comparison of Hypertext/Hypermedia Systems", IRIS Technical Report 88-7.

"Hypertext – Does It Reduce Cholesterol, Too?," Keynote Address at Hypertext '89, Pittsburgh, PA, Nov. 6, 1989, IRIS Technical Report 89-9.

Grant Proposals

(with W. Shipp, A. van Dam, M. Glicksman, M. Taylor, M. Schupack), *Networks of Scholar's Workstations in a Wired University: Proposal to the System Development Foundation*, March 28, 1983.

(with W. Shipp and A. van Dam), Joint Study Proposal for Brown/IBM Collaboration on Workstations. Funded November, 1983 for \$15 million.

(with N. Yankelovich, A. van Dam, W. Shipp, and M. Michel), Proposal to the Annenberg/CPB Project. Funded in August, 1985 for \$1.5 million.

Research Proposal to Apple Computer, Inc., funded in November, 1986.

Unleashing the Power of Hypermedia Systems: Creating a Seamless Information Environment, Proposal to US West Advanced Technologies, funded in July, 1988.

Multimedia in Higher Education, Research Proposal to Apple Computer, Inc., funded in November, 1986.

Multimedia in Higher Education, Research Proposal to Apple Computer, Inc., renewal funded in November, 1987.

Future Software Architectures: The Desktop of Tomorrow, Research Proposal to Apple Computer, Inc. , funded in November, 1988.

Groupware and the Desktop Environment, Proposal to US West Advanced Technologies, funded July, 1989.

Future Software Architectures: The Desktop of Tomorrow, Research Proposal to Apple Computer, Inc. , renewal funded in November, 1989.

Memex 2000: Agents and Networked Hypermedia, Proposal to the National Science Foundation, April, 1990.

Invited Talks

Keynote Speaker, Springer-Verlag International Conference on Document Preparation Systems, Heidelberg, Germany, November, 1983.

Featured Speaker, Conference on Computing in Engineering Education, Cambridge University, Cambridge, England, September, 1985.

University of Toronto Computer Science Colloquium, March 18, 1986.

Mitre Corporation, April 24, 1986.

University of California at Berkeley, February, 1987.

Apple Computer, Cupertino, CA, April, 1987.

Workshop on Multimedia Complex Objects, Taormina, Italy, June 15-17, 1987.

Panelist, OOPSLA '87 Conference, Orlando, FL, October, 1987.

Plenary Panelist, Hypertext '87 Conference, Chapel Hill, NC, November, 1987.

IBM Almaden Research Center, Santa Theresa, CA, December, 1987.

Lotus Development Corp., Cambridge, Mass., January 7, 1988.

Microsoft CD ROM Keynote, March, 1988.

Microsoft CD ROM Panelist, March, 1988.

Unix Expo Panelist, October, 1988.

Invited Speaker, International Hypertext Workshop, Como, Italy, September , 1989.

Keynote Speaker, Hypertext '89, Pittsburgh, PA, November, 1989.

Panel Chair, Hypertext '89, Pittsburgh, PA, November, 1989.

Scores of additional industry presentations between 1991 and 2005,

PATENTS

7,706,782 System and method for developing information for a wireless information system

7,822,428 Mobile rich media information system

8,064,890 System and method for developing information for a wireless information system

PROFESSIONAL ACTIVITIES

Co-Founder, ACM OOPSLA Interest Group and Conference - 1985
Co-Founder, ACM Hypertext Interest Group and Conference - 1985
Editorial Board, *Journal of Object-Oriented Programming*
Panel Chair, Hypertext '91
Editor, OOPSLA '90 Proceedings
Member, COIS '90 Program Committee
Editor, Hypertext '89 proceedings
Member, Hypertext '89 conference and program committees
Editor, OOPSLA '89 proceedings
Member, SIGIR '89 program committee
Member, OOPSLA '89 program committee
Editor, OOPSLA '87 proceedings
Member, OOPSLA '87 program committee
Member, SIGCHI '86, '87 program committees
Member, OOPSLA '86 program committee
Editor, OOPSLA '86 proceedings
Reviewer for McGraw-Hill, Addison-Wesley, Prentice-Hall publishers.
Organizer, *Half-Century of Hypertext at Brown Symposium*, 2019

FUNDRAISING

2004 Raised \$4M for the Andy van Dam Chair in Computer Science at Brown University.

2018 Raised \$10M for the Undergraduate Teach Assistant Endowment In Computer Science at Brown University