

Larry Denenberg
31 Ripley Street, Newton MA 02459-2209
617-527-7932 (h) 617-899-1339 (c)
larry@denenberg.com <http://larry.denenberg.com/>

Employment

Co-founder and CTO; Oxy Systems Inc. Third-party applications for mobile phones, with server-side features and support. [March 2003 – present]

CTO; Speech Portal Division, Comverse Network Systems. Speech recognition enhancements to service offerings. [August 1999– November 2002]

Co-founder and CTO; InTouch Systems Inc. Speech recognition consulting and applications. [March 1996 – August 1999]

Senior Scientist; BBN Hark Speech Systems (formerly Speech and Signal Processing Division, BBN Systems and Technologies). [October 1991 – March 1996]

Senior Software Architect; Network Analysis Division, BBN Communications. Algorithms for construction and analysis of packet-switched networks. [November 1984 – October 1991]

Associate; Division of Applied Sciences, Harvard University. [June 1985 – June 1991]

Education

Ph.D. (1984), S.M. (1980), A.B. *magna cum laude* (1977), Applied Mathematics, Harvard University.

Publications (partial list)

Data Structures and Their Algorithms, with Harry Lewis, HarperCollins, 1991.

“Definability by constant-depth polynomial-size circuits,” with Yuri Gurevich and Saharon Shelach, *Information and Control* **70**, 1986.

“The complexity of the satisfiability problem for Krom formulas,” with Harry Lewis, *Theoretical Computer Science* **30**, 1984.

“Bounds for EMVD inference,” Harvard University Technical Report #25-84, 1984.

“Logical syntax and computational complexity,” with Harry Lewis, in *Proceedings, Logic Colloquium 1983*, Aachen.

“A problem hard for nondeterministic time n^k ,” with Harry Lewis, in *Proceedings, 19th Annual Allerton Conference on Communication, Control, and Computing*, 1981.

“A note on Savitch’s theorem,” Harvard Technical Report #25-81, 1981.

Issued US Patents (excluding pending applications)

“Active prompts,” #6724864, April 20, 2004.

“Entering names via keypad,” #6728348, April 27, 2004.

“Automatic dynamic speech recognition vocabulary . . . ,” #6937986, August 30, 2005.

“Method of assessing degree of acoustic confusability . . . ,” #7013276, March 14, 2006.

“Voice application bookmarks,” #7158936, January 2, 2007.

Teaching (partial list)

Math 22, Discrete Mathematics, Fall 2003, Tufts University.

Computer Science 124, Data Structures and Algorithms, Spring 1998, Harvard University.

Math E-117, Advanced Discrete Mathematics, Spring 1993, Harvard University Extension.

CSCI E-124, Algorithms, Fall 1992, Harvard University Extension.