Larry Denenberg
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EMPLOYMENT

PathAI Inc: Consultant. Algorithm and system development. [January–May 2021]

Tripadvisor LLC: Senior Technical Manager, Principal Software Engineer. Search engine marketing, personalization. [November 2011 – May 2020]

Nevo Technologies: Consultant. Algorithm development and implementation for investment strategy design and building energy evaluation. [October 2009 – June 2011]

Oxy Systems Inc.: Co-founder and CTO. Third-party applications for mobile phones, with server-side features and support. [March 2003 – December 2007]

Harvard University: Adjunct faculty, Division of Applied Sciences. [1997–1998]; Member, Board of Overseers Committee to Visit the College. [2001–2006]

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

InTouch Systems Inc.: Co-founder and CTO. Speech recognition consulting and applications. [March 1996 – August 1999 (acquired by Comverse Network Systems)]

Bolt Beranek & Newman: Senior Scientist. Algorithms for construction and analysis of networks; speech recognition systems and applications. [November 1984 – March 1996]

TEACHING (partial list)

Computer Science 191, Classics of Computer Science, Spring 2021–5, Harvard University

Physics 15b, Introductory Electromagnetism, Fall 2024, Harvard University

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

US PATENTS

"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

"Transmitting rich media . . . over a wide area network," #10992617, April 27 2021

EDUCATION

PhD, Applied Mathematics, Harvard University Faculty of Arts and Sciences

AB *magna cum laude*, Applied Mathematics, Harvard College

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 (establishes my Erdös number)

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