Jeremy Zucker

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Somerville, MA 02144

Education

MIT Sloan School of Management:

Sept 1998-present — Currently pursuing graduate studies in Financial Decision Theory.

University of Colorado, Boulder:

Sept 1992-Aug 1997 — B.S. Applied Mathematics
B.S. Computer Science
Minor: Electrical Engineering

Computer Skills

- Extensive proficiency with installation, configuration and maintenance of Linux, HP-UX, Windows NT, Windows 9X, Macintosh Operating systems.
- Experienced in infrastructure architecture of heterogeneous computer systems.
- Strong in C, C++, Scheme, Perl, Java, Matlab, IDL Programming Languages.
- Knowlegable in building database-backed web sites.

Research Work

Year 2000 Problem:

Jun 1998-present — *Y2K Project Manager, MIT AI Lab and MIT Laboratory for Computer Science*
Assumed primary responsibility for guiding MIT Research Labs through Y2K Awareness, Assessment, Repair and Testing strategies.

Nov 1997-present — *Chief Research Scientist, Proprium Enterprises*
Formulated a spreadsheet for quantifying an industry's Y2K vunerabilty based on original research and early Y2K assessments. Designed an AI program to filter, classify, and prioritize real-time newsfeed data according to Y2K-related significance.

Complex Systems Theory:

Nov 1997-present — *Research Staff, MIT Project MAC*
Built a toolkit for reverse-engineering solutions to multivariate polynomial reaction-diffusion equations.

Cryptography:

Sept 1996-Oct 1997 — *Research Assistant, University of Colorado Department of Applied Mathematics*
Cryptanalyzed a novel algorithm based on nonlinear feedback shift registers.

Time Series Prediction:

April 1995-Dec 1996 — *Geophysical Statistician, NOAA Aeronomy Lab*
Performed a statistical analysis on 30 years of satellite data to isolate the effect of volcanic aerosols on stratospheric ozone.

Jan 1994-Dec 1994 — *Undergraduate Researcher, University of Colorado Optoelectronics Center*
Trained a time-delay embedded neural network to predict the phase transition behavior of low-dimensional chaotic systems.

Industry Experience

Systems Administration:

Nov 1997-present — *Systems Administrator, MIT Project MAC*
Architected major infrastructure overhaul of heterogeneous cluster of Windows NT, HP-UX, and Linux machines. Performed systems support, trouble-shooting, and network security for MIT AI Lab and MIT Laboratory for Computer Science.

Software Engineering:

Sept 1996-May 1997 — *Software Engineer, Rhodes Press.*
Part of a 4-person team to design and build the Schematic Spreadsheet CAD program to enable on-chip design of FPGA logic circuits