Benjamin Bennett

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Objective: An intellectually stimulating computer science job involving both theoretical and practical work.

Education:

Fall 1992 – date WORCESTER POLYTECHNIC INSTITUTE — Worcester, MA
B.S. in Computer Science with Distinction, Graduation: May 1996
Theoretical Courses: Algorithm Design, Analysis of Algorithms, Computability, Differential Equations, Finite Automata, Fundamentals of Engineering I & III, Human Computer Interaction, and Probability.
Practical Courses: Assembly Language, Computer Architecture, Computer Networks, Database Design, File Structures, Operating Systems I & II, Software Engineering, and Syntax of Programming Languages.

Projects:

1996 – date USE OF GENETIC PROGRAMMING TO SOLVE NETWORK FLOW PROBLEMS — Major Qualifying Project
Wrote a program that uses genetic techniques to "breed" programs. Applied the program to solve network flow problems. This project won the Provost's prize for best Computer Science Project.

1993 – 1996 THE USE OF LIVE ROLE-PLAYING IN THE CLASSROOM — Interactive Qualifying Project
Wrote and analyzed a three-day social science laboratory unit which simulates a high-stakes international negotiation highlighting the effects of cultural and organizational differences on negotiations.

Winter 1996 THE USE OF FIGURES AND ILLUSTRATIONS IN WRITTEN MATERIALS — Humanities Sufficiency
Researched the changing role of figures from their use by pre-literate societies to their current use on the World Wide Web.

Experience:

June 1996–date KENAN TECHNOLOGIES — Cambridge, MA
Designed and implemented the Sybase database schema for the Arbor billing product. Maintained the over twenty Sybase and Oracle database servers at the company. Wrote C code to handle various database reconstruction and replication tasks. Made extensive use of Perl to auto-generate FrameMaker documentation from the database schema and to automate maintenance of the databases.

Summer 1995 KENAN TECHNOLOGIES — Cambridge, MA
Managed over fifty machines as one of two primary system administrators. Insured the various UNIX systems were functioning. Installed software including Sybase and Oracle Database systems and ClearCase code control system. Installed and upgraded the operating systems. Configured and maintained network connectivity across a WAN as well as the internal LAN, and configured the networking on new hosts.

1994–1996 WORCESTER POLYTECHNIC INSTITUTE — Worcester, MA
Asset Management Department – tracked all WPI property worth more than $500. This involves spreadsheet creation and maintenance, working with the Oracle database system, and layout of the departmental newsletter. Office Services – duplicated and mailed documents for the institute.

Fall 1992–date PERSONAL EXPERIENCE
Administrated an i486 running Linux serving over fifty active users. This has provided considerable experience as a system administrator, and familiarity with UNIX networking. Set up the NCSA, Apache and CERN http daemons to provide World Wide Web service over a direct Internet connection.

Computer Skills:
Operating Systems: UNIX, MS-DOS, Windows 95 & NT, and the POSIX.1 systems interface.
Databases: Sybase and Oracle **Applications:** X Window, Emacs, Sendmail, Netscape, Microsoft Windows, Excel, Word, and PageMaker.
Languages: C, C++, Perl, Intel x86 assembly, HTML, CGI, LaTeX, Lex, and Yacc.

References available on request.