Elizabeth A. Coleman

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Employment Objective

To obtain a full time position in the San Jose area working in hardware design starting July 1997.

Education

Harvey Mudd College, Claremont CA:

Candidate for B.S. degree in computer science, and a B.S. degree in engineering, May 1997. Course work includes Computer Engineering: Hardware and Software Design, Large Scale Software Development, Advanced Systems Engineering, Electrical Engineering, Electricity and Magnetism, Algorithms, Programming Languages, Operating Systems, and Theory of Computation.

Software Projects

Designed and implemented a database system with a Web based interface for internal Synopsys use. The database is expected to enhance the code sharing abilities within the company and increase productivity.

Designed and implemented a program to search network news for a pattern matching a regular expression. Worked on a team of five people.

Coded the back end to a program to find good school bus routes in less time than doing it by hand. Using one fewer school bus saves $60,000 per year. Worked on a team of five people.

Currently leading a team of three people to design and implement an interface between a proprietary JPL graphical query language and Oracle database systems.

Languages

C/C++	Verilog
Perl	VHDL
Java	Ada
SML of New Jersey	Bourne Shell Scripts

Skills

Design of Computer Programs	Basic Chip Synthesis Knowledge
Programming	UNIX system administration
Communication Skills	Vi/Emacs

Work Experience

Synopsys 5/96 - 8/96
Test Engineer. Worked with Applications Engineers to design a database system to store Synopsys test cases. Took Synopsys training classes in Verilog, VHDL, and chip synthesis. Used HDL Advisor and HDL Compiler.

Synopsys 5/95 - 8/95, and 12/95
System Administrator, UNIX core services. Duties included writing scripts to automate general tasks, administering SecurID one time password system.

Decision Development Corporation 6/94 - 12/94
Beta Tester, Linker. Duties included testing sixth, seventh, and eighth grade science curriculum. Discovered a process to save the editor several hours. Helped develop sixth grade curriculum.

Awards and Activities

Fourth Place ACM Regional Programming Contest (1995)
Co-president, Society of Women Engineers Harvey Mudd Student Section, (1995-96)
President, Bridge Club (1994-95, and 95-96)
Older Girl Consultant in the Spanish Trails Girl Scout Council (1994-95)
National Merit Finalist Scholarship (1993)
Dean's List (1994,1995, 1996)
Girl Scout Gold Award (1993)