S. Elektra Hammond
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Software Environments:

WINxx, VM/CMS, Linux, DOS, MVS/TSO, Linux, VS, TOPS-20, TOPS-10, VMS

Languages and Packages:

C/C++, BAL, Java, PL/I, html, Javascript, Word Perfect, Word, OpenOffice, Quattro Pro, Excel, Power Point, Photoshop, FoxPro, FORTRAN, Pascal, Visio, VS Assembler, APL, Algol, Basic, LISP, EXEC, EXEC2, REXX, PROLOG, CA-DATACOM (DATA-DICTIONARY, IDEAL, DATAQUERY), Pagemaker, SAS, SPSS, INTELLECT, VS Script.

Education:

December, 1984 - MS in Computer Science, SUNY-Binghamton.
(included courses in: Databases, Algorithms, languages, architecture, and compiler design).

2005/2006 - Online continuing education from Editorial Freelance Association (EFA)
(included courses in: grammar, copyediting, copyediting electronically)

2002/2003 - Tompkins Cortland Community College
(non-degree classes in: Web Design, Programming in Java, Programming in C++, Writing for the Web)

September 1987 - enrolled in P/T MBA program, Bentley Univeresity, McCallum Graduate School of Business
(courses included management and accounting).

May, 1983 - BA in Computer Science, Cornell University

Work Experience:

Sept 1998- Present	Freelance Editor, Copyeditor, Proofreader and Writer Until Midnight, P.O. Box 85, Odessa, DE 19730 Edit, and copyedit/proofread fiction, primarily for Dark Quest Books, Buzzymag.com, Double Dragon, Baen Books, SRM Publisher, Ltd., and Windhaven Press. Copyedit non-fiction, including The Cat Breeders' Handbook and several magazines, including award-winning Bengals Illustrated.
Sept 1994- 2009	Consultant/Software Development Troika Systems, 130 Lake Avenue, Ithaca, NY 14850 Software development in C. Website development. Database development and maintenance under FoxPro.
Aug 2001- June 2002	Webmaster Academic Computing Center at the Engineering Library (ACCEL), Cornell University, Ithaca, NY 14850 Website design and development. Web research.
Jan 1999- Oct 1999	Programmer/Analyst The CBORD Group, Inc., 61 Brown Road, Ithaca, NY 14850 Design code, test, maintain, integrate software for systems used in the administration of institutional food service and related departments.
Dec 1997- Aug 1998	Product Engineer Pathlight Technologies, 9 Brown Road, Ithaca, NY 14850 Tested hardware/firmware/software under Solaris. Created and documented shell scripts to facilitate test procedures. Wrote test specifications and test plans. Developed utilities (in C) to run on a realtime operating system (Vxworks).
May 1992- Jun 1993	Consultant Butler Services Group Inc., 110 Summit Ave., P.O. Box 460, Montvale, NJ 07645 Worked onsite at Corning Inc., debugged and enhanced a Corporate Education and Registration system, written in CA-IDEAL. Handled communication and coordination with Technical Services as well as user support. Became the only support person for the system. Produced appropriate documentation for both the technical side and the user.

Aug 1991- May 1992	**Lecturer** Department of Math and Computer Science, Ithaca College, Ithaca, New York 14850 Taught introductory courses CS110: Introduction to Computers [for use in business] and CS157: Computers and You, and Fortran Programming. Wrote lectures, homework assignments, quizzes and labs following a general content outline provided by the college. Selected material to be covered in some cases. Used a variety of hardware including networked PCs and a VAX cluster. Gave individual aid to particular students when needed.
Sept 1989- Aug 1991	**Database Analyst** Emerson Power Transmission, 620 South Aurora St., Ithaca, New York 14850 Created the MVS version of a VSE utility (RAPS3UTL) complete with user's manual and technical documentation. Wrote preprocessor routines and utilities in BAL under MVS to aid in a VSE to MVS conversion. Provided support for all aspects of database applications using CA-DATACOM products. Was the motivation behind an effort to create standards for newly acquired products (IDEAL) and to review and document current standards. Researched and implemented additional security measures. Built User Requirements tables and Dataviews, as well as designing and building new databases via DataDictionary. Provided other programmers with an interactive tool to create their own User Requirement's tables, fully tested and documented.
Sept 1988- Aug 1989	**Senior Technical Consultant** AGS Information Services, Worked onsite at IBM Glendale on CP and CMS Component test of ESA. Participated in all phases of test: Development of a test plan, confirmation of current functionality, enhancement and testing of a "test tool", and actual testing in several different environments, including use of a PC to drive mainframe testing.
Apr 1988- Sept 1988	**Senior Systems Programmer** Cornell Computer Services, Cornell University, Ithaca, New York 14850 Upgraded programs from VM/SP to VM/XA. Worked on known bugs in service virtuals.
Jul 1986- Apr 1988	**Software Engineer II** WANG Laboratories Inc., One Industrial Avenue, Lowell, Massachusetts 01851 Developed, tested and debugged various optical disk utilities, including user interfaces and external documentation. Developed, tested and debugged various pieces of a microfilm-based imaging system, including a copy server and printer server, working in VS Assembly Language. Helped develop tools to test the imaging system. Integrated with tasks written by other groups, as well as with hardware support,. Wrote necessary external documentation.
Apr 1985- Jul 1986	**Software Engineer** Artificial Intelligence Corp., 100 Fifth Avenue, Waltham, Massachusetts 02154 Enhanced and test portions of INTELLECT (a natural language database interface) involving the use of SQL and VSAM databases and sequential files. Worked closely with Quality Assurance on determination and resolution of problems. Translated and debugged programs from PL/I to C.
Dec 1983- Mar 1985	**Programmer** IBM Corporation, Endicott, New York 13760 Designed, coded and tested programs written in PL/I and BAL for use in computer-aided manufacturing. Modified and updated existing system code to reflect design changes. Created external documentation using SCRIPT.

Hardware:

IBM PC, SUN, IBM 30XX, IBM 43XX, IBM 370, WANG VS 6/85/100/7300, DECsystem 20, DECsystem 10, VAX, WANG PC, Machintosh

member of the Editorial Freelancers Association.

References available upon request.