Howard R. Abbey

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Summary:

- Characterization, testing, and firmware programming experience combined with excellent educational record.
- Well versed in Japanese practices and comfortable working in a multi-national environment.

Experience:

Integration and Characterization Engineer (4/00 to present)
Read Channel Development, IBM Microelectronics, Burlington, VT
- Determined and resolved problems with interaction of read channel and mobile disk drives.
- Interacted with Japanese coworkers, aiding communication and cooperation.
- Tested performance of read channel chips.

Research Assistant (7/98 to 5/99)
C & C Media Research Lab, Nippon Electronics Corporation, (N.E.C.) Tokyo, Japan
- Simulation, testing and design of echo-cancellation DSP adaptive filter systems for speech recognition systems.
- Learned Japanese technical business practices.

Firmware co-op Engineer (6/97 to 11/97)
Storage Systems Division, International Business Machines, (I.B.M.) Rochester, MN
- Studied microcode and documentation (in Japanese) for hard drive interface processor for presentation to co-workers.
- Researched performance of high-end hard disk drives, proving viability of new cache indexing algorithm.

Education:

Michigan Technological University (M.T.U.), Houghton, MI 49931
BS in Electrical Engineering, Computer Engineering Option. Certificate in Modern Language and Area Study in French.

G.P.A.: 3.51 / 4.0   Graduation date: 11/99

Japan Center for Michigan Universities, Hikone-shi, Shiga-ken, 522, Japan
One-year thematic focusing on Japanese language and culture. (9/94 to 4/95)

Computer Skills:

- C, C shell and bash scripting, HTML, and cgi script programming
- C++, PowerPC assembly, Fortran and RISC/MIPS assembly programming familiarity
- Linux, Unix, Windows, and MS-DOS computer operating systems
- PC assembly, repair, and network troubleshooting

Accomplishments:

- Served as a prime contact between Japanese and American development teams.
- Spent total of 3 months problem solving on site in Japan, while maintaining close working relationship with American team members.
- Solved problems including usage issues, product issues, and test screen issues.
- Increased range of early user hardware lab tests by automating test equipment via GPIB and C code.
- Assisted in bringing Internet access to rural Japan and a small village in Benin, Africa, during college years.