# Philip Davidson

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## Senior Software Engineer

Ten years experience in Microsoft Windows development teams producing consumer software using the Visual Studio environment in C++ and C.

Product development experience includes researching existing code; proposing technical designs; creating and meeting schedules; completing code without disrupting existing code; performing all phases of library creation; and diagnosing, documenting, and fixing bugs.

Served as lead engineer on Broderbund's Calendar Creator 8 and 9; contributed to Calendar Creator 10 while improving graphics performance in The Print Shop 20.

### WORK HISTORY

**Mattel Interactive/The Learning Company/Broderbund/Riverdeep**          1999 - 2003
Novato, California
Contractor, Senior Engineer
· Served as lead engineer on Calendar Creator 8 and 9; used Visual C++ and MFC.
· Improved print rendering performance in The Print Shop 20.
· Added functionality to PrintMaster 11, The Print Shop 12 and 15, and Calendar Creator 10.
· Contributed to Kid Pix Deluxe 3 using a Windows/Macintosh cross-platform framework and STL.

**Contract programmer**                    1999
· Ported much of Blaise Computing's C TOOLS PLUS, an MS-DOS text mode windowing library, to Windows NT console mode.

**The Software Toolworks/Mindscape/Headland Digital Media**          1993 - 1999
Novato, California
Software Project Manager, Contractor, Software Engineer
· Enhanced user interface and other areas of Chessmaster 6000 and 7000 and Chessmaster Live; wrote custom treeview and listview controls.
· Adapted FTP download code for Chessmaster Live.
· Developed and enhanced installation and upgrade scripts and tools.
· Performed maintenance programming on function libraries for Windows and MS-DOS.
· Diagnosed and corrected emergency problems.

**Scopus Technology**                                    1992 - 1993
Emeryville, California
Consultant, Programmer
· Ported a large client application from 32-bit SunView to 16-bit Microsoft Windows, working with Motif, Sybase's DBlib, and Tcl.

**Blaise Computing**                                     1985 - 1992
Berkeley, California
Senior Software Engineer
· Designed, wrote, and maintained large function libraries as products.
· Designed, wrote, and edited manuals.
· Provided technical support to customers.

## EDUCATION

· MS Mathematics, University of Chicago, Chicago, Illinois.
· BA Mathematics, University of California, Santa Barbara, California.
  Phi Beta Kappa; one of three Outstanding Seniors in Mathematics.

## TECHNOLOGIES

Primary strengths — C++, C, Microsoft Visual Studio 6 and 7, MFC, Win32, Win16, Perforce.
Secondary strengths — STL, x86 assembly language, MS-DOS, PVCS.
Other work experience — Tcl, 8080 assembly language, CodeWarrior C++ for MacOS 8, Unix, Fortran, Ratfor, VGA graphics.