

David Smith

58 Westhead Road
Etobicoke, Ontario M8W4S3

(416) 505-4896

westhead@persimmonsoft.com

<http://westhead.persimmonsoft.com>

OBJECTIVE

A contract position as a Senior Macintosh Software Developer that lets me utilize my years of experience in developing C++ applications for the Macintosh platform.

EXPERIENCE

Senior Developer, Westhead Consulting, Etobicoke, Ontario 2001 - Present

- Member of team responsible for developing a next generation of online casino software for Microsoft Windows using Visual Studio C++ and utilizing an in-house 3D game engine. Wrote and supported a number of table style games as well as provided support to other team members.
- Developed a C library and application for Mac OS X to control a light source for photo-microscopy.
- Wrote a CUPS backend module in C++ to provide proprietary print job transport based on HTTP and XML. Rewrote GUI portion of project, developed in an earlier contract, to support new job transport process.
- Wrote a series of command line tools in C++ and utilized a client's graphics library to provide image manipulation on Linux.
- Redesigned and rewrote a client's print job monitoring product to support new features and converted to Carbon APIs for OS X support. The product consisted of a Laserwriter hose (data transfer shared library), a GUI application to communicate with their printing accounting server, and an administration application.
- Converted the shareware application GolfMeister to Carbon APIs to run natively on OS X.
- Designed and developed tools to provide database synchronization for a client's distributed web based sports statistics system.

Team Lead, Hotline Communications, Toronto, Ontario 2000 - 2001

- Designed and programmed an in-house cross platform (Mac OS, Windows, and Linux) framework in C++. The framework provided abstractions for networking, file system, GUI and multimedia components. GUI components were constructed from XML based resource definitions. The framework made extensive use of the latest C++ techniques, including templates and the STL.
- Developed Quicktime component to stream media over proprietary networking protocol.
- Developed Mac OS OpenTransport networking components for the networking team.
- Developed Mac OS threading wrapper classes, including synchronization constructs, for the framework.
- Managed the development team in charge of the GUI and multimedia components. Prepared and managed the team's project timelines.

Senior Developer, Westhead Consulting, Etobicoke, Ontario 1994 - 2000

- Started a shareware company, Barking Spider Software, and developed and maintained an application called GolfMeister. The application was written using the PowerPlant application framework provided by Metrowerks.
- Developed a Mac printer driver to provide LPR network printing and to connect to the printing accounting system provided by a client. The accounting client transferred print job information to the accounting system for logging.
- Developed a magnetic and smart card reader library.
- Designed and developed upgrade for multi-user Human Resource database written using 4th Dimension, SQL Server, and Sybase.
- Principal developer of large-scale multi-user database to track inventory for a provincial government agency.
- Developed video capture and analysis tool using C++ and QuickTime for the Apple Macintosh.
- Contract programmer for large multinational financial organization. Developed multi-user Human Resource management database.
- Researched cross platform (Macintosh and Windows) development tools for use in developing a client/server database system. Reviewed tools including XVT, C++/Views and Galaxy.

Senior Programmer, The Jamieson/Williams Group, Mississauga, Ontario 1989 - 1994

- Lead designer and developer of a large-scale multi-user Human Resource Information System developed in 4th Dimension, Sybase and Oracle.
- Involved in all aspects of product design, development, customization and implementation.
- Designed and developed a multi-user Training Administration System for a large telecommunications firm.
- Developed tools in C and Prograph CPX for use during the development process.
- Developed 4th Dimension externals in C.
- Provided both hotline and onsite technical support to clients.

Human Resource Analyst, Northern Telecom Limited, Mississauga, Ontario 1986 - 1989

- Designed and developed databases and applications, using 4th Dimension and C on the Apple Macintosh, for use in the Human Resources group.
- Designed and produced various reports and analyses using Aldus PageMaker, Microsoft Excel, Informix Wingz and Informix SQL for senior management.
- Provided Apple Macintosh and IBM PC support for department.

EDUCATION

University of Waterloo, Waterloo, Ontario Bachelor of Mathematics, 1985

SKILLS

Programming Languages - C++, C, Objective C, Pascal, 4th Dimension

Libraries & Technologies - Carbon, STL, PowerPlant, Cocoa, Quicktime

Development Platforms - Xcode, CodeWarrior, Visual Studio C++, MySQL, Sybase, Oracle

Operating Systems - Mac OS X, Mac OS 9, UNIX, Windows

OTHER INTERESTS

Golf, woodworking, cooking, backpacking

References furnished upon request