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COMPUTER PROGRAMMER/PROJECT LEAD

High quality, proven professional with over 10 years experience in a wide range of disciplines and a proven track record of delivering product on time, within budget and with minimal direction.

- Embedded software including USB, Cygnal 8051, Hitachi H8S/2148
- Windows NT/95/98/2000/XP applications, MFC, DLL's, and ActiveX/COM.
- 10+ years experience C/C++, HTML, Java, JavaScript, ODBC, Oracle, VC++/MFC, Unix (Linux, Mac OS X), .NET, CodeWarrior, MySQL, and Cocoa Frameworks, **gcc**, **gdb**.
- Macintosh OS X applications, device drivers, plugins, Open GL

Experience:

- **Staff Programmer Altea Therapeutics** **11/2001 – 7/2004**
 - Ported the Passport™ micro-portion application from LabView to Win/MFC and NiDAQ. PassPort is a prototype device to demonstrate needle-less subdermal drug delivery technology. Includes Applications/COM development of the Windows interface and 'C/C++' development of the embedded software based on the Hitachi H8S/2148 and Cygnal controller chip.
 - Created software for prototype, hand-held, and next generation medical devices using Cygnal IDE and uVision simulators with Keil Compilers on the Cygnal 8051 family of processors.
 - Custom software projects including web-based database access
 - Heavily involved in submitting device to FDA for approval

- **Sr. Software Engineer Eskape Labs 4/2002 – 6/2003**

Eskape is a wholly owned division of Hauppauge and creates USB TV devices for use on both Windows and Macintosh.

- Created Recording Framework for MyTV product line to synchronize separate video and audio threads into a QuickTime movie.
- Ported Mac OS 9 application to Cocoa application (Xcode/Interface Builder) for Eskape TV adding modern features like
 - AppleScripting
 - Support for scheduled recording,
 - SetUp Wizard,
 - Background daemon to facilitate delayed recording
 - WebKit (Safari) SDK integration.

- Sr. Software Engineer **ProSoft Engineering** **5/2000 – 8/2001**
 - Generated over \$500,000 in consulting fees.
 - Macintosh and Windows Software Engineer for Applications, PCI and USB device drivers. Highlights included creation of a pre-emptive multi-tasking driver to support Agere's controller-less USB modem to be shipped in upcoming Apple computers and integration of Broadcom's Home Networking PCI card.

- Lead Engineer **ACOM Solutions** **1/2000 – 5/2000**
 - Redesigned and upgraded the UI and client access to the 16-bit Forms Design package to increase revenue from licensing fees. The product is a client for an AS/400 database used to design forms, labels and checks for batch printing. ODBC (IBM Client/Access) is used to move data to/from the PC into the AS/400 product.

- Lead Engineer **PhotoFX Systems** **Ongoing**

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| <ul style="list-style-type: none"> • Generated over \$200,000 in revenue in streaming video markets. • Created PhotoFolio, an application to allow accurate scripting and display of still images and QuickTime movies into elaborate slide shows queued to music soundtracks. Product bundles primarily with digital cameras. Both Macintosh and Windows. | |
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| <ul style="list-style-type: none"> • Sr. Software Engineer Motorola | 7/99 – 12/99 |
| <ul style="list-style-type: none"> • Programmer for the PageWriter 2000 pager. Created and maintained applications and DLL's to support system management and data migration between differing versions of the PageWriter operating system. Minor duties include modifying and testing WinNT and 95/98 device drivers. | |

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| <ul style="list-style-type: none"> • Senior Software Engineer Georgia Tech Research Institute | 1/99 – 7/99 |
| <ul style="list-style-type: none"> • Web design and implementation of the Southwest Border States (SWBS) administration interface, a web interface to coordinate the crime databases of several southwest states. • RISSIntel gateway, a collection of Extended Stored Procedures (under SQL Server) and Service Control Programs to facilitate information transfer between RISS (another SWBS-like project) and SWBS. | |

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| <ul style="list-style-type: none"> • Principal Programmer Minolta Corporation | 3/97 – 12/98 |
| <ul style="list-style-type: none"> • The LaCie blue eye Monitor Calibration package which calibrates computer monitors using Minolta's ADB and serial monitor calibrator (RS232). Written in Visual C++(MFC) under Windows and PowerPlant on the Mac, the package includes a polling application to ensure the monitor stays in spec, full geometry control (size, width, height, purity) and interactive help. The package's main focus was to allow easy integration of new monitors and calibrators. PureColor is designed to be a direct competitor to Radius' PressView and Mitsubishi SpectraView using Minolta's more precise instrument. | |

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| <ul style="list-style-type: none"> • Self Employed Siren Enterprises | 11/97 – 7/99 |
| <ul style="list-style-type: none"> • Computer Programming Services company. Clients include: • HBO&C (McKesson) - Created an ActiveX control and application to display QuickTime movies imbedded in PowerPoint presentations. Visual C++/MFC. • Designed and implemented a web-based Customer Information System for Convergence Systems using FileMaker Pro as a back-end and Claris Home Page for web interface.. Systems tracks IP and Cable Modem provisioning and customer billing for over six markets. ODBC import from Access and Oracle databases. • Import Photoshop plugin for Apago Inc which imports images from a variety of large-scale formats like Scitex, Dalim, TIFF/IT, etc. into Adobe Photoshop for Windows. MFC/C++ DLL. • Short-term Windows programming tasks for Internet Gaming including incorporating MAPI for server-based email confirmations, programmable credit-card transaction processing, and integration of a Bingo King PC output to an RS232 application to parse game data. • Ported Auto FIX applications from Windows SDK to Macintosh keeping both code bases simultaneously active. • Ported Windows USB drivers to Macintosh for the DiamondRio 500 MP3 player and provided sample code to use new driver. Ported a COM object into a shared library Macintosh framework. • Caption_EZ for Windows, an application, to allow newspapers to catalogue photos taken by staff photographers by tagging JPEG images with information in ANPA format. | |

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| <ul style="list-style-type: none"> • Sr. Software Engineer Prudential Bank | 10/95 - 11/97 |
| <ul style="list-style-type: none"> • Windows/Mac Senior Consultant on credit card solicitation packages designed and implemented in C/C++ using mainframe screen-scraping techniques to auto route credit card and collections standalone applications to Oracle ODBC databases. CGI and HTML integration using specialized interfaces to a WebStar Web Server. | |

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| <ul style="list-style-type: none"> • Consultant Coca-Cola | 10/94 – 10/95 |
| <ul style="list-style-type: none"> • Technical consultant on the TRAC project, an application to manage Coke hospitality events with special regard to client charge back. This application tracked the 12,000 guests' 100,000 tickets, and eight (8) hotels of Coca-Cola at the 1996 Summer Olympics using an Oracle back-end and Omnis7 client. | |

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| <ul style="list-style-type: none"> • Sr. Software Engineer DayStar Digital | 9/93 – 10/94 |
| <ul style="list-style-type: none"> • DayStar's ColorMatch™, (four diamonds, MacWeek 3/6/95) a series of Adobe PhotoShop™ plug-in modules and QuarkXPress® XTensions which added desktop color correction using Kodak's KCMS color management software. Package price point was \$99 and competed directly with Kodak turn-key systems | |

retailing for over \$11,000.

- Sr. Software Engineer **Eastman Kodak Company** 1/91 – 9/93
 - An extension of Apple's ColorSync™, a Macintosh color management package designed to provide consistent color of monitors, printers, and scanner and other calibrated devices.
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Education:

- Bachelor's Computer Science, Oswego State University, Oswego, NY.
 - Associates Applied Math/Science, Community College of the Finger Lakes, Canandaigua, NY.
 - **Java Level 1 – New Horizon's Learning Center**
 - **Java Level 2 – Gwinnett Technical College**
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