

Pete Ware

HOME

55 Vondran St
Huntington Station, NY 11746

PHONE

631-421-1448

EMAIL

ware@peteware.com

WEB

<http://www.peteware.com>

Summary

Technical lead with very strong C++, Python, and Linux experience

Expertise

- C++: Used on a daily basis for 14 years
- Python: Used on a daily basis for 8 years
- Linux: Fluent with all Unix/Linux utilities including Bourne/Bash & C shell scripts
- C#: Used daily for the past year.
- Object oriented programming and design
- Qt multi-platform user interface toolkit
- Django, Ajax, jQuery
- Distributed operating systems, networking, TCP/IP

Experience

CREDIT SUISSE

OCTOBER 2007 – DECEMBER 2008

MANHATTAN, NY

- Vice President in Derivatives IT for Risk
- Support and development of a distributed calculation, risk, and trade engine
- The software manages a wide variety of fixed income and derivative businesses including EM, IR Swaps,
- Bonds, and Credit Derivatives
- Development was in a C# and .Net environment

NYSE GROUP/SIAC

OCTOBER 2004 – OCTOBER 2007

BROOKLYN, NY

- Technical Director for Display Book's specialist trading engine user interface
- Designed and implemented new graphical interface while maintaining compatibility with old interface
- Designed new analysis engine for reviewing trading activity that was ten times faster than previous engine, delivered twice as much information, and added real time monitoring to what was previously end of day functionality. Managed a team of 12 to deliver product in a very short time frame
- Lead team of 5 to port 600K lines of legacy C++ from HP-UX to SuSE Linux

INTERHACK CORPORATION

JULY 2002 – JUNE 2004

COLUMBUS, OH

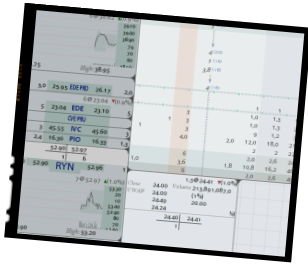
- Interhack is a network security and computer forensics company
- Researched and developed software (C++, gui, 15,000 lines) to validate audio CDs for litigation involving copy protected CDs. This used direct ATAPI calls to bypass the operating system and interact directly with the CDROM drives in order to verify Red and Yellow book compliance. Portable to Solaris, FreeBSD, and Linux systems
- Developed many python based forensic tools for examining hard drives (at the sector level), recovering deleted files, analyzing thousands of email messages and parsing logs files for investigations into system security violations
- Developed python based tools for distributed, brute force, password attacks to successfully expose client web site vulnerabilities
- Performed network security assessments and penetration testing for regional banks

STARBAK COMMUNICATIONS

OCTOBER 2001 – JULY 2002

COLUMBUS, OH

- Starbak developed an appliance for video streaming and teleconference rebroadcasting
- Director of Engineering
- Managed 20 developers organized into four teams: user interface with Java & Php, streaming video engine via RTSP for Real, Quicktime, MP3, MPEG 1 and MPEG 4, streaming video that was Microsoft Media server compatible, and a streaming media caching engine
- Worked on RTSP server (C based) that resulted in a 10 fold improvement in the number of connections and a 300% increase in maximum bandwidth
- Implemented test suite in Python



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THE OHIO STATE UNIVERSITY SEPT. 1998 – JUNE 2001 COLUMBUS, OH

- Lecturer in Computer Science

BIOSYM TECHNOLOGIES JUNE 1990 – SEPT. 1991 SAN DIEGO, CA

- Rewrote user interface to use X11/Motif instead of Silicon Graphics' Graphics Library (OpenGL)

SAIC SEPT. 1986 – JUNE 1990 SAN DIEGO, CA

- Designed and lead development of highly successful interactive tool for analyzing seismic data
- Designed and developed distributed communication system based on TCP/IP
- Implemented software configuration management to support multiple releases on multiple platforms

ARTECON INC. FEB. 1985 – SEPT. 1986 SAN DIEGO, CA

- Implemented GKS logical input devices (level 2C)
- Maintained large Yacc based grammar for CAD drafting system

Education

INTERHACK CORPORATION JULY 2003 COLUMBUS, OH

CISSP (Certified Information Systems Security Professional)

THE OHIO STATE UNIVERSITY DEC 1992 COLUMBUS, OH

MS, Computer Science

UNIVERSITY OF CALIFORNIA, SAN DIEGO JUNE 1985 SAN DIEGO, CA

BA, Computer Science

Publications

- *Low Latency Message Passing on Workstation Clusters using SCRAMNet*, International Parallel Processing Symposium (IPPS'99), April 99, pp. 148-152
- *Low Latency Message-Passing for Reflective Memory Networks*, International Workshop on Communication, Architecture, and Applications for Network-Based Parallel Computing (CANPC '99), Jan 1999, pp. 211-224
- *Automatic Modeling of File System Workloads Using Two-level Arrival Processes*, ACM Transactions on Modeling and Computer Systems (TOMACS), July 1998, pp 305 – 330
- *Modeling file-system input traces via a two-level arrival process*, Winter Simulation Conference, 1996, pp 1230 – 1237
- *Input modeling when simple models fail*, Winter Simulation Conference, 1995, pp 93-100
- *The Xt Intrinsic FAQ*, posted monthly to comp.windows.x

Skills

HIGH SKILL LEVEL

C++	Computer Forensics	Mercurial	STL
Python	Filesystems	.Net	TCP/IP
Linux	FreeBSD	OO Design	TeX & LaTeX
Django	HTML	Qt	Multi-Threading
C#	HTTP	RTSP	Unix
C	Information Security	Shell Scripting	Zope/CMF

MEDIUM SKILL LEVEL

Apache	HPUX	Lisp	SQL
Ajax	JavaScript	Scheme	UML
Cryptography	jQuery	Solaris	XML

LOW SKILL LEVEL

Java	Php	SOAP
MySql	PostgreSQL	SIP
Perl	Stochastic Processes	XMLRPC