

Geoffrey C. Hoffman

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EXPERIENCE: BGC Partners / eSpeed Inc., New York, NY

Consultant – Electronic Information Service Oct, 2010 – Present
Continue development of mod_perl based web interface to securities and customer management databases
Performance improvements for back end queries of web interface

Merrill Lynch, Bank of America, New York, NY

Assistant Vice President – GMI Portfolio Trading – Quantitative Statistical Arbitrage Nov, 2009 – May, 2010
Develop financial data to support internal quant group for both high and low frequency strategies
Support internal trading universe for all products

Assistant Vice President – GMI Portfolio Trading – Electronic Trading Data June, 2005 – Oct, 2009
Implemented XML based data access services using Apache, Perl, Oracle, and Postgres
Developed Perl and shell scripts for acquiring, manipulating, and distributing vendor data. Scripts worked on wide range of data formats, including FIX, XML, and binary
Designed Perl/CGI web tools including database viewer and job scheduling front end
Member of initial Electronic Trading Data team and contributed to general direction of the group.
Supported quantitative analysis, algorithmic trading, and research groups
Collaborated with global development and support teams

eSpeed Inc./ Cantor Fitzgerald, New York, NY Aug., 2000 – June 2005

Internet Developer – Distributed Development
Built real time eSpeed trade subscriber. Trade confirmations were delivered to reporting databases. Ported subset of eSpeed C++ trading API to Perl. Replaced existing application to eliminate deadlocks, missing trades, and duplicates messages.
Created real time trade feed application in Perl for clearing/booking trades. Trade feed replaced previous end-of-day process for all eSpeed trades. New features included monitoring and support controls.
Developed mod_perl based web interface to securities and customer management databases.
Created Perl-CGI web trading system for Japanese Government Bonds.
Designed and implemented Verisign payment and subscription system for eSpeed services

Lucent Technologies, Whippany, NJ Aug., 1998 - Aug., 2000

Technical Staff – Government Solutions Business Unit
Led design and implementation of MySQL router database used by group for network research and routing analysis.
Coordinated work with Bell Labs on Internet Mapping Project. Wrote parts of network discovery tool used for mapping. Tweaked TCP and IP protocols for better penetration.
Implemented network discovery and analysis tools in C, using libpcap and Perl.
Attended numerous trade shows to demonstrate Lucent technologies to government agencies.
Planned and setup Internet Research Laboratory in Business Unit.

COMPUTER SKILLS: Languages: Perl, SQL, JavaScript, C
Oracle, Sybase, Postgres, MySQL, Apache, Mod-perl, Linux, Solaris

EDUCATION: **Cornell University**, Ithaca, NY
Masters of Engineering Degree, School of Computer Science May, 1998
Bachelor of Science Degree, Sibley School of Mechanical Engineering May, 1997
Phillips Exeter Academy - Exeter, NH: New England Rowing Champions June, 1993

ACTIVITIES: Rowing: Three time National Champion in Rowing; currently training for national team selection
Member of New York Athletic Club - Rowing Team 2001 – Present
Created and currently manage BMA Boat Club for Cornell rowing alumni 1999 - Present
HoZelHoff – C, Java, Linux Development (<http://www.hozelhoff.com/>)
Holy Cow Investment Group (<http://www.holycows.com/>)

AWARDS/HONORS: Ned and Paula Arps Master of Engineering Fellowship Fall, 1997 - Spring, 1998
Butler Award for Leadership and Excellence – Cornell Rowing Spring, 1997

INTERESTS: Running, home improvement, car modification, skiing, motorcycles, pistol / rifle shooting