CURRICULUM VITAE

Benjamin E. Van Vliet

Address:  Stuart School of Business  
Illinois Institute of Technology  
565 West Adams  
Chicago, Illinois 60661

Phone:  312 906 6513  
Email:  bvanvliet@stuart.iit.edu  
Citizenship:  USA

A. EDUCATION

Ph.D., Management Science/Finance concentration  
Dissertation:  Systematic Finance: Essays on Ethics, Methodology and Control in HFT  
Illinois Institute of Technology  
2012

M.S., Financial Markets and Trading  
Illinois Institute of Technology  
1999

B.A., Business Administration  
Calvin College  
1994

CERTIFICATE in UNIX System/C/C++ Programming  
CERTIFICATE in Client/Server Technology  
Illinois Institute of Technology  
1998

B. REFERREED PUBLICATIONS

I. Journal Publications


II. Chapters in Edited Books


III. Journal Submissions Under Review


IV. Refereed Conference Proceedings and Presentations


3. “Controlling trade selection algorithms with statistical process control” with A. Kumiega. Accepted and presented at *Financial Management Association 2009 Annual Conference*. October. Reno, Nevada. This paper was a semi-finalist for the best paper award in market microstructure.


V. Working Papers


2. "The Ethics of High Frequency Trading" with R. Cooper.

3. “HFT R&D: A Real Options Approach” with A. Kumiega


VI. Books


C. NONREFEREED PUBLICATIONS

I. Published Articles

III. Software and Book Reviews


IV. Instructional Resources and Software

   TraderAPI Version 2.0. 2006.
   OptionsAPI Version 1.0. 2002.

D. TECHNICAL PRESENTATIONS


19. Appeared in a documentary on electronic exchanges and automated trading for German firm Corella Publishing.


E. INTELLECTUAL DEVELOPMENT/CONTINUING EDUCATION

Attended “FIA Futures and Options Expo” November, 2000-08. Chicago, Illinois.

F. ADMINISTRATION AND UNIVERSITY SERVICE

Served as Associate Director of the M.S. Finance program from 2004 to 2010.
Currently a member of the Stuart Instructional Resources Committee.
Currently a member of the board of directors of Stuart Investments, a student-run organization managing $250K of the university’s endowment.

Acted as faculty advisor on IPRO 313: High-Speed Market Data Ticker System for the 2007-2008 academic year.

From 2004-2005, served on the university’s alumni board.

From 1999-2002, served as Director of Recruiting and Advising for the Center for Law and Financial Markets.

G. CONTRIBUTIONS TO TEACHING

Teaching five courses. They are:

- Pre-MBA Mathematics, a course covering precalculus, linear algebra and differential and integral calculus with applications to finance.
- MSF 503 Financial Modeling, a core course in Excel/VBA and mathematical techniques for modeling in finance, including simulation and optimization.
- MSF 575 C++ with Financial Applications, a course covering C++, from pointers, to objects, to the Standard Template Library and design patterns plus financial modeling.
- MSF 574 .NET and Database Management, a course covering the use of Visual Basic/C# and the .NET Framework, relational database design, SQL, and UML to build quantitative financial applications.
- MSF 576 OOP and Algorithmic Trading Systems, a course covering object oriented design of real-time trading applications in Visual C++.NET, including event architecture, FIX/FAST, concurrency and interoperability.

The lack of application texts for the MSF 574, MSF 575 and MSF 576 courses led to the design of instructional materials. The materials became the basis for three books published by major publishing houses. These books focus on an interdisciplinary approach to financial software system design, including qualitative finance, trading strategy, technology and quality.

H. PROFESSIONAL ACTIVITIES


MEMBER of the CME PROBABLE CAUSE / BUSINESS CONDUCT COMMITTEE 07/Present

GROUP CO-CHAIR of the ANSI X9D 14 "AT 9000" working group developing a quality management system standard for automated trading. 12/Present

INDEPENDENT CONSULTANT 04/Present

Consulting with proprietary trading/investment firms on automated trading system design and development of educational programs. Past clients have included Calamos Investment Management, Jump Trading, Deutsche Bank, United States Department of Labor.

I. CONTRIBUTIONS TO THE PROFESSION
Ad hoc reviewer for *Journal of Behavioral Finance*.

**J. PROFESSIONAL HISTORY**

ASSISTANT PROFESSOR of FINANCE 12/Present  
LECTURER of FINANCE 02/12  
Stuart Graduate School of Business, Illinois Institute of Technology  

Currently teaching several graduate level courses on topics related to automated trading system design and implementation, including calculus, statistics and financial mathematics, optimization, ANSI/ISO C/C++, C++/CLI, C#, VB.NET, object oriented programming, SQL and relational database design, XML, FIX/FAST, UML and market connectivity via application programming interfaces.

Currently teaching a regular course in business mathematics at the University of Chicago’s Graham School of General Studies. Previously taught review courses for Quantitative Methods portions of Chartered Financial Analysts level one examination for Becker Conviser/Stalla.

DIRECTOR OF RECRUITING & ADVISING 99/02  
Illinois Institute of Technology  
Directed all sales and marketing efforts for the Center for Law & Financial Markets, including creation of an international award-winning program catalog and view book, design of advertisements, and web site content.

During tenure, the Center grew from a nascent academic unit into a globally recognized leader in graduate education relating to financial markets, with its influence and reputation reaching as far away as India, China, Egypt, Poland, South Korea and Russia.

DIRECTOR 04/07  
TraderDNA LLC  
Co-inventor of TraderDNA, a real-time trader and trading system performance evaluation software package.

REGISTERED REPRESENTATIVE 94/97  
Olde Financial Corp.  
Rapidly acquired and successfully managed over $10 million in assets. Employed various fundamental and technical stock picking strategies, implementing long-term investing and short-term trading models.

INVESTMENT SERVICES MANAGER / BRANCH MANAGER / NEW ACCOUNTS REP. 91/94  
PrimeVest Financial Services / Mid Town Bank & Trust Co.  
Proposed, developed and operated a very profitable full-service securities office within the bank. Coordinated marketing plan to integrate the brokerage services into the bank's overall product mix, establishing goals for client retention, employee referrals and sales. Directed all compliance related tasks including working with counsel to ensure compliance with all applicable FDIC and State banking regulations, all securities regulations and state insurance laws as well as to mitigate potential legal liabilities while maximizing business opportunities. Negotiated all contracts, performed due diligence, and selected best-fit broker-dealer for the relationship with the bank.

Planned, organized, directed and controlled a branch bank's operations, increasing funds on deposit by more than 20% over a one year time period. Modeled and forecasted the bank’s daily cash needs in Excel.
and reduced reserves by over $400,000, while managing electronic banking operations.