

David J. Moore, Ph.D.

Objective

To obtain a consulting or staff position that utilizes my electrical engineering, finance Ph.D., and statistical expertise in an applied data scientist / data architect role.

Education

August 2008 **Doctor of Philosophy in Finance**, *The University of Tennessee*.

May 1999 **Master of Business Administration**, *Arizona State University*.

May 1994 **Bachelor of Science in Electrical Engineering**, *Purdue University*.

Work Experience

2014–present **Founder**, *Relative DynamicsTM, Sacramento*, Developed a web-based platform that derives fundamental and current real estate valuations. The platform employs an Amazon Web Server configured with a Cassandra database, web crawler functions to update that database, proprietary R statistical code to process acquired data, and an interactive R (Shiny) graphical HTML interface..

2011–present **Assistant Professor of Finance**, *California State University, Sacramento*.

2010 **Rice, Amundsen, & Caperton, PLLC, Memphis Tennessee**, *Expert Witness*, Performed expected income analysis, prepared report, and testified. Clients realized significantly lower future payouts or increased future income as a result of my analyses, reports, and testimony.

2008–2011 **Visiting Assistant Professor of Finance**, *The University of Memphis*.

2005–2008 **Finance Instructor**, *The University of Tennessee*.

2003–2004 **Analogix Semiconductor, Santa Clara California**, *Senior Applications Engineer*, Accelerated time to market by performing characterization of first silicon and preparing test results. Equipped sales force by developing competitive advantage sales presentation. Enabled engineering debug by procuring test equipment and managing vendor relationships.

2002–2003 **Wavecrest Corporation, San Jose California**, *Senior Field Applications Engineer*, Educated customers and boosted sales by summarizing and presenting underlying statistical analysis performed by Wavecrest test equipment. Enabled customer design/debug success by developing a collection of technical documentation.

2001–2002 **NuHorizons Electronics Corp., San Jose California**, *Senior Field Applications Engineer*, Bolstered sales effort by accompanying sales force on customer visitations and presenting technical specifications of various products offered by this distributor.

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- 1999–2001 **PMC-Sierra, Inc. (via acquisition of AANetcom in March 2000), San Jose California**, *Product Marketing / Field Applications Engineer*, Equipped sales force by developing Microsoft Access database with web interface, developing and presenting sales training, authoring and revising datasheets, and developing technical documentation including competitive analyses and application notes. Accelerated time to market by coordinating cross functional team (engineering, sales, and production test). Secured design wins by developing and presenting technical product details and demonstrations to prospective customers. Kept sales team and customers informed by maintaining technical product information website and publishing periodic product newsletters.
- 1997–1999 **IKOS Systems, Inc., Cupertino California and Mesa Arizona**, *Corporate Applications Engineer*, Bolstered sales effort via technical presentations at industry conferences, developing and presenting sales training, international and domestic customer support (including on-site support in Taiwan), and generating application notes. Improved response time to customer technical questions by installing and configuring Clarify/Sybase SQL Server-based call and bug tracking system (including UNIX, Macintosh, and Windows clients). Automated software regression testing by writing custom UNIX c-shell scripts.
- 1994–1997 **Motorola Systems and Space Technology Group, Scottsdale Arizona**, *Electrical Engineer II*, Integrated custom and commercial off the shelf hardware/software in wired and wireless network configurations. Configurations included portable and desktop workstations, data encryption devices, and Cisco Systems routers. Responsibilities included configuration, installation, technical document preparation, customer training, and procurement. Also designed, simulated, and tested field programmable gate arrays for imaging satellites.

Publications

Peer reviewed journal articles

D. J. Moore and N. Ikromov. A real options approach to distressed property borrower-lender reconciliation. *Journal of Mathematical Finance*, 5:73–81, February 2015.

D. J. Moore, R. W. Clark, and G. C. Philippatos. Financing developing country debt: A sovereign borrowing entity proposal. *Journal of Financial Risk Management*, 3:67–77, September 2014.

D. J. Moore and G. C. Philippatos. The unexplainable nature of momentum portfolio returns. *Journal of Mathematical Finance*, 4:135–147, May 2014.

Editorial review journal articles

D. J. Moore. Conditional estimation of linear asset pricing models using alternative marginal utility growth instruments. *Financial Study Association Rotterdam (FSR) Forum*, 11(5):7–10, September 2009.

Books

D. J. Moore. *Investments 2e*. www.efficientminds.com, second edition, August 2015.

D. J. Moore. *Corporate Finance 4e*. www.efficientminds.com, fourth edition, August 2015.

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D. J. Moore. *A Finance Ph.D. Student's Encyclopedia*. CreateSpace, first edition, November 2013.

D. J. Moore. *Applied Finance and General Statistical Analysis with SAS Examples*. CreateSpace, South Carolina, first edition, July 2010.

D. J. Moore. *Dr. Moore's Perspectives in Finance: Financial Institutions*. CreateSpace, first edition, January 2010.

Conference proceedings

R. W. Clark, G. C. Philippatos, and **D. J. Moore**. A framework for restructuring debt in developing countries through the creation of special sovereign borrowing entities. In *Proceedings of the Cambridge Business and Economics Conference*. Cambridge, UK, June 2013.

D. J. Moore. Distressed property valuation and optimization of loan restructure terms. In *Proceedings of the Cambridge Business and Economics Conference*. Cambridge, UK, June 2011.

D. J. Moore and G. C. Philippatos. An alternative marginal utility growth proxy for use in asset pricing models. In *Proceedings of the Oxford Business and Economics Conference*. Oxford, UK, July 2010.

R. W. Clark, G. C. Philippatos, and **D. J. Moore**. Establishing a market for securitized LDC debt: Feasibility and viability. In *Proceedings of the Oxford Business and Economics Conference*. Oxford, UK, June 2009.

Current research projects

D. J. Moore. Estimation of industry specific cost of equity. Planned December 2015 submission to *Journal of Mathematical Finance*.

D. J. Moore. Decomposing market returns into firm and market contributions. Planned August 2016 submission to *Journal of Economics and Finance*.

D. J. Moore. Are corporations paying their fair share of taxes? Planned December 2016 submission to *Journal of Business Finance and Accounting*.

D. J. Moore. Corporate taxes, cash hoarding, economic growth, and unemployment. Planned June 2017 submission to *Journal of Financial Economics*.

D. J. Moore. Feasibility and viability of a simplified income-based tax system. Planned December 2017 submission to *Journal of Business Finance and Accounting*.

D. J. Moore. Personal human capital and asset allocation. Planned June 2018 submission to *Applied Financial Economics*.

D. J. Moore. Real estate hedging. Planned December 2018 submission to *Journal of Real Estate Research*.

Courses taught

Graduate

Financial Management, Primary Text: Moore, D. J. *Corporate Finance 4e*, Sacramento: www.efficientminds.com, 2015. Secondary Text: Brigham, E. F., and Daves, P. R. *Intermediate Financial Management*, 10th edition. Ohio: Thomson-Southwestern, 2009.

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Financial Institutions Management, *Primary Text: Moore, D.J. Dr. Moore's Perspectives in Finance: Financial Institutions*, Sacramento: www.efficientminds.com, 2010. *Secondary Text: Saunders, A. and Cornett, M. Financial Institutions Management: A Risk Management Approach*, sixth edition. New York: McGraw-Hill Irwin, 2008..

Undergraduate

Business Finance, *Primary Text: Moore, D. J. Corporate Finance 4e*, Sacramento: www.efficientminds.com, 2015. *Secondary Text: Brigham, E. F., and Daves, P. R. Intermediate Financial Management*, 10th edition. Ohio: Thomson-Southwestern, 2009.

Investments, *Primary Text: Moore, D.J., Investments 2e*, Sacramento: www.efficientminds.com, 2015. *Secondary Text: Jones, C. P. Investments: Analysis and Management*, 11th edition. New Jersey: Wiley, 2010..

Research presentations

- 2011 **Cambridge Business and Economics Conference in Cambridge, UK**, *Distressed property valuation and optimization of loan restructure terms.*
- 2010 **Oxford Business and Economics Conference in Oxford, UK**, *An Alternative Marginal Utility Growth Proxy for use in Asset Pricing Models.*
- 2009 **Oxford Business and Economics Conference in Oxford, UK**, *Establishing a Market for Securitized LDC Debt: Feasibility and Viability.*
- 2009 **Ph.D. Project Finance Doctoral Student's Association pre-WFA meeting in San Diego, CA**, *Conditional Estimation of Linear Asset Pricing Models Using Alternative Marginal Utility Growth Instruments.*
- 2009 **Ph.D. Project Finance Doctoral Student's Association pre-WFA meeting in San Diego, CA**, *Presented "Teaching Suggestions" and "Dissertation Suggestions" to doctoral students.*
- 2009 **Lynchburg College in Lynchburg, VA**, *Conditional Estimation of Linear Asset Pricing Models Using Alternative Marginal Utility Growth Instruments.*
- 2008 **Cornerstone Research in San Francisco, CA**, *Conditional Nonlinear Stochastic Discount Factor Models as Alternative Explanations to Stock Price Momentum.*
- 2008 **The University of St. Thomas in St. Paul, Minnesota**, *Conditional Estimation of Linear Asset Pricing Models Using Alternative Marginal Utility Growth Instruments.*

Honors and awards

- 2014 California State University, Sacramento MBA Networking Association "Most Involved with MBA Students" award.
- 2012 University Enterprises, Inc. Faculty Grant Program Award recipient
- 2005, 2006 University of Tennessee Summer Research Grant recipient
- 1995 United States Government Certificate of Appreciation recipient
- 1993 Purdue Alumni Association Outstanding Student of the Year
- 1992 Amoco Oil Corporation Talent Award recipient
- 1990 Kaiser Aluminum and Chemical Corporation Talent Award recipient
- 1989 Purdue University Academic Honors Certificate recipient