

<b>Education</b>	<b>Ohio State University</b>			
	<i>Masters of Science</i> in Computer Science & Engineering •Concentration in Machine Learning and High Performance Computing •Passed Comprehensive Masters Exams Spring 2009 •3.60 GPA			2008 - Present
	<i>Bachelor of Science</i> •Economics: 3.50 Major GPA •Political Science: 3.49 Major GPA •Significant additional coursework in Mathematics, Statistics and Computer Science			2003-2008
<b>Technical Course Work Summary</b>	Numerical Methods	Parallel Computing	Data Mining	
	Artificial Intelligence	Machine Learning	Bayesian Analysis	
	Nonparametrics	Analysis of Algorithms	Computer Graphics	
	Operating Systems	Linear Algebra	Computer Architecture	
	Multivariate Statistics	Stochastic Processes	Statistical Computing	
<b>Technology Skills</b>	C/C++, MatLab/Octave, R, OpenMP, MPI, Java, C#, Linux, Unix, MS Windows, MS Excel, L <sup>A</sup> T <sub>E</sub> X, SQL, Maple, SVN			
<b>Current Research Interests</b>	•Adaptation of machine learning techniques for high performance computing platforms. •Advances in machine learning for time series prediction •Application of machine learning to financial problems			
<b>Certifications</b>	<b>Chartered Financial Analyst Program</b>			2007-Present
	•Passed the Level I Exam in December 2007 •Sat for the Level II Exam in June 2009, results pending			
<b>Selected List of Projects</b>	<b>Kernel Methods on the GPU</b>			Spring 2009
	In Progress. Development of novel algorithm adaptations for the efficient training of Support Vector Machines and Regularized Least Squares Classifiers on the GPU using CUDA.			
	<b>Hierarchical Bayesian Model for Portfolio Weight Selection</b>			Winter 2009
	Applied hierarchical Bayesian models to estimate posterior predictive distributions of asset returns in order to choose appropriate portfolio weights.			
	<b>Comparison of Parallel Algorithms for Support Vector Machines</b>			Winter 2009
	Identified performance bottlenecks, and compared the speed and scalability of parallel algorithms for solving Support Vector Machine problems.			
	<b>Cluster Analysis for Portfolio Diversification</b>			Autumn 2008
	Employed clustering methods to diversify a portfolio.			
<b>Work Experience</b>	<b>Journal of Money, Credit, and Banking</b>			<i>Research Assistant</i>
	Columbus OH			Summer 2007
	•Replicated and verified the statistical analyses of published manuscripts			
	<b>Ohio Department of Job and Family Services</b>			<i>Web Application Development Intern</i>
	Columbus OH			Summers 2004-2006
	•Performed basic web maintenance			
	•Created a set of classes in ASP to decrease development time of common tasks			
	•Developed, as part of a team, an enterprise wide application in C# to manage a complicated workflow			
<b>Extracurricular</b>	<b>Club TECH CORPS</b>			2009
	•Introduce elementary school students to MS Office, basic hardware, programming, and robotics			