



Objective Skilled mathematician / statistician seeking to apply my understanding of computer based modeling, theory, and analysis to the needs of industry. Strong background in computer simulations, stochastic modeling and mathematic analysis, as well as the ability to train others in new concepts.

Education **Seeking Master of Science: Statistics**
University of Clear Lake
Completed Statistical Software, Differential Equations, and Experimental Design (4.0/4.0)

Master of Education: Mathematics
University of Houston 2006
Completed 18 hours of Graduate Mathematics courses with a focus on stochastic modeling and statistics (3.5/4.0) as well as 18 hours pure education course (4.0/4.0)

Bachelor of Science: Mathematics
Southwest Texas State University 2002

Languages **SAS, S+, R, SPSS, MiniTab, Mathematica, MatLab, LaTeX, Html, Java, C++**
Webmaster for Professional and Collegiate sites as well as storefronts.

Certifications/
Publications **Certified:** SAS Base Programmer: 2008
Speaking Engagement: Statistical Analysis of the TAKS Test: 2006
Association of Mathematic Teacher Educators.
Certified: K-12 Mathematics Teacher, Texas: 2006

Professional
experience

Adjunct Professor June 2007-present
San Jacinto Jr. College
Facilitating and analyzing assessment of college level algebraic thinking.

Adjunct Professor Aug. 2006–present
Axia College of the University of Phoenix
Facilitating and analyzing assessment of an online curriculum.
• Classes Taught include: Remedial Mathematics, College Algebra, Finite Mathematics, Critical Thinking, Contemporary Issues in American Education, Teaching as a Profession, Child Development, Classroom Instruction, and Diversity in the Classroom.

High School Mathematics Instructor Jan. 2003-present
Fort Bend ISD
Assisted in analyzing the needs of the student population and constructing a curriculum for Mathematic Models and Applications, as well as Pre-Calculus.
• Head of the Mathematics Models and Application Curriculum Team.
• Classes Taught include: Algebra 1, Algebra 2, Pre-Calculus, Geometry, and Mathematic Models and Applications.

Mathematic / Statistical Consultant 2003 – present
University of Houston, University of Houston Clear Lake
Utilized knowledge and statistical computing abilities to calculate and analyze several colleagues' data and construct presentations to communicate these findings. Analyzed and presented findings on Texas Assessment and Skills test to the conference of Association of Mathematic Teacher Educators. Statistical software that has been used: SAS, Minitab, S+, SPSS, Excel, Mathematica, MatLab, and R.

Web-Store Administrator 2007-2008
K&A Collectibles
Maintained and operated a commercial web-store which included storefront design (html/java), inventory maintenance, and customer relations.

Web Design 2000- Present
Shadow Net
Designed and maintained commercial websites for real estate agents in the Austin area. Duties included interviewing clients, utilizing html, java, and adobe flash to construct websites that meet the needs of the clients.

Web Master 1999-2002
Southwest Texas State University
Authored and maintained the Academic Honesty website for Southwest Texas State University. Duties included documentation of the Academic Honesty community and presentation of their findings to the student body.

Computer Lab Technician 2000-2002
Southwest Texas State University
Operated and maintained a Mathematics Department computer lab for the school of mathematics at SWT. Duties included defining and providing securities for users, maintaining network integrity, and working with a team to install and operate network programs that could be access not only from the network, but from the outside via the internet.

Recent
Projects

Analyzed environmental data to find correlations between chemical variables not only overall, but also by city and county. I also had to determine the data that did not contribute to the data set and remove it without disturbing my findings to make stronger correlations.

I also wrote macros and matrices to evaluate student's success on assessments.

I evaluated industrial data to determine the best method for improving production of several different processes.

Researching and developing a thesis on the applications of differential equations and chaos theory in the field of probability