Aaron Myers

Computational Science, Engineering, and Mathematics
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EDUCATION

UNIVERSITY OF TEXAS
PhD CSEM
Expected May 2017 | Austin, TX
Cum. GPA: 3.8

UNIVERSITY OF TEXAS
MS CSEM
May 2015 | Austin, TX
Cum. GPA: 3.8

VANDERBILT UNIVERSITY
MBA Accelerator
June 2012 | Nashville, TN
Program MVP

UNIVERSITY OF TENNESSEE
BS Mech. Engineering
May 2011 | Knoxville, TN
Maj. GPA: 3.92

RESEARCH

Uncertainty Quantification
Bayesian Inverse Problems
Randomized MAP Methods

COURSEWORK

GRADUATE
Derivative Pricing
Advanced Machine Learning
Theory of Probability
Quantum Mechanics
Functional Analysis
Linear Algebra

UNDERGRADUATE
Thermodynamics
Numerical Analysis
Gas Dynamics
Vibration Analysis
Signal Processing

SKILLS

PROGRAMMING
Shell • SQL • Matlab
MapReduce • Python • VBA • LaTeX
MPI • C++ • VIM • OpenMP

SOFTWARE
Word • Excel • Powerpoint
SolidWorks • AutoCAD • Hadoop
Spark • Mahout • Inventor

EXPERIENCE

CITI | Technology Leadership Program
June 2014 – Oct 2014 | Jacksonville, FL
- Built Bayesian regression models to identify target divestitures
- Quantified risk associated with Global Cost Reduction Initiatives

COGENT HEALTHCARE + FLO {THINKERY} | Senior Business/Financial Analyst
July 2012 – Oct 2013 | Nashville, TN
- Executed Monte Carlo simulation on all potential financial endeavors
- Automated analytics for business development, strategy, and finance

KIMBERLY CLARK | Mechancial Engineer + Project Manager
Jan 2008 – June 2012 | California & Wisconsin & Tennessee
- Orchestrated and engineered multiple capital projects
- Attained average 6 month ROI of 135%

RESEARCH & ACADEMIA

UNIVERSITY OF TEXAS & TENNESSEE | Supplemental Instructor
Aug 2014 – Present | Austin, TX & Knoxville, TN
- Lectured for courses on chemistry, quantum mechanics, and physics
- Earned a perfect 5/5 instructor rating

CESO RESEARCH GROUP | Graduate Researcher
Jan 2013 – Present | Austin, TX
- Presenting a paper at SIAM CSE '15 on RML method
- Improved big data reduction methods by integrating multiple statistical theories

NASA & UNIVERSITY OF TENNESSEE | Undergraduate Researcher
Dec 2010 – July 2011 | Knoxville, TN
- Conducted analysis on inverse heat prediction method (50M+ data pts)
- Accelerated project completion by 30 days

AWARDS

2016	SIAM Special Edition Publication Author
2015	CSEM Fellowship
2013	GRE 800/800 Q
2012	Vanderbilt Faculty-Elected Commencement Speaker
2011	Pi Tau Sigma - Mechanical Engineering Honor Society
2006-2011	Hope and University Scholarships
2006-2011	Dean's List 13/14 semesters

COMMUNITY

2010-Present	Habitat for Humanity
2009 - Present	Math and Engineering tutor
2009-2011	Engineers without Borders
2007-2010	Red Cross Active Volunteer