

Richard Witt

Richard.Witt@AlphaSixAnalytics.com

Present Address: 12650 Arthur Graves Junior Court • Bristow, VA 20136 • (716) 345-3393

- Objective:** To create decision focused analysis that provides actionable information to solve problems and make better decisions faster
- Summary:** **Skilled analyst with leadership and decision-making experience**
- Current PhD Student in Computational Science and Informatics with a Master of Science in Management, Defense Systems Analysis
 - Experience in cost analysis, systems analysis, IT system management, and as a regional supervisor
 - Lean Six Sigma Black Belt and Green Belt Instructor with USMC Certifications
 - Retiring Major, United States Marine Corps UH-1N Huey Instructor Pilot with combat experience
- Education:** **George Mason University, Fairfax, VA**
- Major: Computational Science and Informatics
 - Degree Pursuit: Doctor of Philosophy, Expected 2025
 - Computer Modeling, Simulation and Data Science using Python, R, and other tools
 - Research focused on applying financial analytics to describe and predict market price and risk
- Naval Postgraduate School, Monterey, CA**
- Major: Defense Systems Analysis
 - Degree: Master of Science in Management 2013, GPA: 3.8
 - 115 Credits focused on fundamental interdisciplinary techniques of quantitative problem-solving methods, behavior and management science, economic analysis, and financial management
 - Integrated mathematics, accounting, economics, behavioral science, management theory, operations/systems analysis and research methods
 - Thesis: *Fully Burdened Cost of Energy Analysis: A Model for Marine Corps Systems* which received the Outstanding Thesis Award (Top 4%) and developed a standalone Monte Carlo simulator in Excel, among other novel techniques. <http://www.dtic.mil/dtic/tr/fulltext/u2/a579809.pdf>
- Rochester Institute of Technology, Rochester NY**
- Major: Mechanical/Aerospace Engineering with Minor in Philosophy
 - Degree: Bachelor of Science, 2002
- Experience:** **Information Technology Portfolio Owner** July 2019 – Present
- Led Sustainment and development of the Marine Corps' premier logistics Enterprise Resource Planning information technology system with a development portfolio employing 120 developers, engineers, architects and functional experts
 - Implemented 5 Continuous Process Improvement efforts utilizing agile methodologies focused on ITIL Process implementation and team cohesion across 6 agencies
 - Led a Hybrid Agile transformation across the enterprise while integrating with a new prime contractor for software development and standing up 8 agile development teams
 - Applied aviation mishap methodologies in a novel way to investigate an unplanned IT system outage focusing on addressing multiple latent cause factors vice a single technical root cause
- Officer Recruiting Supervisor** July 2016 – June 2019
- Managed, trained, and mentored 13 Captains and over 55 Marines and civilians in 13 states across the Midwest directing operations to manage a typical pool of over 350 Officer Candidates
 - Analyzed 15 years of officer recruiting data to determine an evidence-based missioning approach affecting the whole of the Marine Officer recruiting enterprise
 - Certified 21 Lean Six Sigma Green Belts and oversaw the completion of 9 Six Sigma Projects

Defense Systems and Cost Analyst

June 2013 – June 2016

- Performed cost and cost-benefit analyses to support resource allocation decisions made at the highest levels of the Marine Corps using advanced numerical techniques
- Used Latin Hypercube Sampling, Monte Carlo Simulation, learning curve analysis and cost accounting to conduct economic analysis and Life Cycle Cost Estimates
- Served as Cost Study Director leading a team of 10 analysts across 13 major weapon systems at the enterprise level with a total portfolio of over \$43B
- Used Visual Basic for Applications to create a unified cost estimate template process integrating 5 different software tools, nearly eliminating data entry tasks in report development

Western New York Officer Selection Officer

December 2008 – June 2011

- Autonomous responsibility of over 25 colleges and universities with a mission similar to ROTC
- Educated, mentored, and selected college students in preparation for summer training
- Met or exceeded all goals and led over 80 college students to begin careers as Marine Officers

Quality Assurance Officer

December 2007 – December 2008

- Educated Functional Check Pilots and wrote squadron procedures in conduct of test flights
- Managed, supervised, and controlled education and qualification process of over 250 Marines

Aviation Intelligence Officer

July 2006 – December 2007

- Research, prepare, and teach enemy threat courses to approximately 50 squadron pilots
- Created a study library and digital resource system for thousands of files of Secret data
- Educate and mentor 4 analysts dedicated to providing intelligence services to the squadron

Junior Officer

September 2002 – June 2006

- The Basic School, Flight School and Squadron Public Affairs with four articles published detailing squadron combat effectiveness and readiness in web and print

Engineering

May 1998 – May 2002

- Design Engineer for The Gleason Works, Rochester NY prototyping new systems
- Optimization Engineer for Nuttall Gear, Niagara Falls, NY redesigning manufacturing processes

Additional:

Certifications:

- Lean Six Sigma Black Belt – Marine Corps Systems Command
- Lean Six Sigma Green Belt Instructor – Marine Corps Business Process Office
- SAFe Agilest – Scaled Agile Framework
- Program Management Level III – Defense Acquisition University
- ACEIT 101, 102, 201
- FAA Commercial Pilot, Instrument Airplane and Helicopter

Service Record

- 14 Air Medals, Navy and Marine Corps Commendation with combat distinguishing device
- 800+ hours of combat flight time in support of Operation Iraqi Freedom 2005-2008
- Qualified in T-34 Turbo-Mentor, TH-57 Jet Ranger, and UH-1N Huey

History

- Founder: Rochester Institute of Technology Multidisciplinary Robotics Team
- President: Phi Delta Theta Fraternity
- Eagle Scout, Boy Scouts of America

Interests and Activities

- Statistical financial analysis, organic gardening, CrossFit, running, woodworking, calculus-based engineering design, 3D Printing, Mixed Martial Arts, husband, and father of 3.