

**EDUCATION:**

- Santa Barbara City College** **2011**  
Engineering, Human Resources, and International Business (non-degree)  
**Student Senator**
- University of New Orleans -** **2009-2010**  
Graduate Studies in Naval Architecture and Marine Engineering  
Ship Architecture, Ship Systems Design, Control Systems & Power Management.  
**Winner of the NA&ME Solar Splash Engineering Contest in speed and endurance.**
- Berea College, Berea, KY** **1991-1995**  
**Bachelor of Arts in Physics**  
Physics focuses on the Practical Application of Theory, Optics, Chaos Theory, Large Data Analysis, Harmonic in Mechanical Driven Systems, and Deterministic Predictability. General Relativity, Digital Electronics, Real-Time Sensors  
Assistant Teacher in Physics, Mathematics, Computers, and Astronomy Classes.  
**Sigma Phi Sigma Honor Society**
- Roane State Community College** **1991**  
Psychology (non-degree), **Residential Tech Level 4 MHMR Foster Home**
- The University of Tennessee, Knoxville TN** **1988 - 1991**  
Military Science, ROTC SMTP TN ARNG in ComSec, Tactical Communications  
Computer Science, BA not completed, transferred to Physics. **BBS Owner**

**HONOR SOCIETIES AND ASSOCIATIONS:**

- World Intelligence Network **2015**  
American Society of Naval Architects and Marine Engineers **2009**  
Campbell County Beekeepers Association (President) **2004**  
Sigma Phi Sigma: Physics Honors Society **1993**  
Berea College Dean's List **1994**  
Vincit Qui Patitur, Berea College Honors Society **1992**  
Beta Club (Campbell County High School, TN) **1986-1988**  
Office Educational Association (O.E.A) National Coding Champion **1987**  
Platoon Leader of The Boy Scouts of America **1982**

**VOLUNTEER/CHARITIES:**

- Audio Visual Production Our Lady of Perpetual Help **2016**  
CC Arts Association/Historical Society: Play Sound Production **2016**  
Full Sail University: Actor / Continuity Expert in student films **2011**  
Santa Barbara: Environmental Improvement **2010**  
Sailing Regatta Leukemia Cup: 2nd Place Mandeville, LA **2009**  
Habitat for Humanity: Design and all aspects of construction **1998-2003**

**Black Eagle Analytics & Data LLC**

313 W. Prospect St. LaFollette, TN 37766 ∞ (423)377-9155

NATO:8FB34 DUNS:117205228 FEIN:84-3013461 TN: 000237885 SAMS:V8ZHBE9GUCV1

**EXPERIENCE:**

**Chief Executive Officer, Black Eagle Analytics & Data LLC** **2017-Now**  
Currently developing Cloud-Based propriety & commercial web servers with Full Stack capabilities including remote/virtual development using Unix-based scripts, Cloud Architecture, Perl, PHP, MYSQL, Java, JavaScript, Python, PostgreSQL, and Angular. Enterprise Architecture for long-range planning and developing apps for financial modeling, sales funnels, lien management, spectral and statistical analysis of data (using physics mathematical methods). Technical Process Design, Logistics. NIST, CISC, DFARS, ISO Requirements, Compliance, and Testing. Dynamic QRC hosting for Marketing and Organization. B2B 1099 Single-Member LLC.

**Author, Kindle E-Texts** **2013-Now**  
Various Mathematical, Classical Philosophy, and Electronics texts.

- “Natural Humanity Series: Celestial Synthesis”
- “Fusion is Your Friend: The Theory of Nickle-Hydrogen Fusion”
- “The Jeopardy of Scientific Inquiry: Fame or Infamy” (Gameshow button)
- “Euclid’s 13 Books of the Elements with Hyperlinks”.

**Chief Executive Officer / Founder** **2010-2011**  
**Courier Chariots; Santa Barbara, CA**

- Premium Direct Delivery Service servicing the entire West Coast.
- Hired and managed a fleet of up to twelve part-time delivery drivers.
- Long Contracts with FedEx and Medical Testing companies.

**Researcher / Analyst** **2009**  
**Office of Naval Research / NAVSEA Carderock Division**

- Authored Hybrid Drive DDG-51 Engineering Design History / Critique / Proposal
- Design and Assessed Naval Surface Warfare Computer WarGame Simulations
- Designed Distributed Secure Networking Structures (Navel Patent/NDA)
- Designed disruptive tech circuits with geometric efficiency superiority (Patented)
- Designed systems to double ship resistance to damage. (Naval Patent/NDA)
- Prioritized Requests for Proposals to win ONR/NAVSEA Contracts.
- Analyzed project history and projected program analysis.

**Lab Supervisor / Associate Field Researcher** **2007-2008**  
**Dept. of Biology / Ecology; University of New Orleans, New Orleans LA**

- Deep Bayou Field Research on salinity stressed flora in coastal areas, transplanting university nursery cypress trees into wilderness reserves. Monthly data collection of conditions from recording apparatus on each tree.
- Onsite field research into the ‘Edge effect’ sub-tropical tree canopies, which included weekly collections of debris from 30 plus deadfall traps.
- Lab Manager supervising student and intern laboratory technicians.
- Organizing and developing laboratory computer applications for the transfer of bulk data from bulk instrumentation and consequential large data analysis.

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**Communications & National Security Adviser** 1997-2001  
**Senior Applications Designer & Developer / Contract Researcher**  
**Laboratory of Information Technology (L.I.T.)**

**University of Tennessee; Department of Electrical Engineering**

- Communications & National Security Advisor and Lecturer to O.N.D.C.P. / C.T.A.C. Symposiums by invitation of the Head of C.T.A.C./D.A.R.P.A.
- Personally, adapted the technology of the Internet/Arpanet TECH TRANSFER by developing Robust Web Applications 15 years before its time:
- Created the FIRST web login and user/group management in forums assigned to investigative cases for the web, the forerunner of every login sight of the World Wide Web today. A verifiable disruptive technology that has changed the world by:
  - W.H.O.S.I.N.I.T. first Internet web-driven web interface security suite, complex users and groups of management to robust inter-agency.
  - DataMiner and ImageArchive (SPIN) the first Internet-secure web photo/case album of forensic evidence with searchable detective notes within the inter-agencies of the WFCIN, associated with W.H.O.S.I.N.I.T.
  - S.M.I.T.S.: secure message system that investigators could reliably communicate with, based on U.S. Military ARPANET COMMUNICATIONS and Cryptography, both undercover and SWAT. (WFCIN)
  - P.R.O.F.I.L.E. is a dual application of an arrest record web interface (the first) to years of Arrest Records Databases, searchable by any criteria from name to SMT (scars marks or tattoos), height, build, physical characteristics or age to types of arrest, combined with an interactive Photo Retrieval Line Up that victims or witnesses could use the web to identify subjects from a lineup of like subjects AI recognition. Software to Suffolk County and Long Island SO Department to have been error-free without update for 15 years, a decade ahead of commercial technology. Automating hours of days of detective work into seconds.
  - Link Analysis: Big Data capable of tracking millions of discrete bits of data to link graphically identify groups or clusters of activity into a forensic analysis, a smart detective thread board (Pen-Link Analysis / VisualLinks) by Dr. Mike Vose
  - Web-based Human Resource Management Software (Nashville Metro)
  - PH.INDE. the first fully scalable and expandable address/contact sheet web/database interface was later used by a few U.S. Senators' offices.
  - Regal Cinema Online Movie Schedule and Online Ticket Sales
- Key Design Speaker and first among demos at a dozen Senatorial, Government, and Law Enforcement ONDCP/DARPA Conferences and Symposiums.

**Communications Management, Financial Modeling/Analytics** 1997  
**Chowki Gossob Intl, Tunisia/ Knoxville TN**

Data Analysis and Developing Business and Communications created financial models forecasting the outcome of dozens of business ventures and investments using integrated Microsoft Offices Products of Excel. A wide variety of ventures include fish farms, French fry vending, Fixed-Income investments, Hybrid, Real Estate Investments, foreign trading, precious stone trading, and Currency Trading.



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**BEAD.LLC**

**Senior System Administrator / Applications Developer 1995-1997**  
**Contracted to Lockheed-Martin via Turner, Harper & Associates**

- Contracted Senior Systems and Network Administrator to HAZWRAP (Hazardous Waste Remedial Action Program), Lockheed, and Martin Marietta.
- Designed and Developed several robust Web Administrator Applications:
  - Converting bulk documents to custom to specific project areas
  - Automating document conversion program that would parse, filter and update web menu, and navigation information in the Development server.
  - An application that once approved by QA the development server changes and parsing were then transferred to the eagle.doe.gov server in Washington D.C.
  - A searchable index of both the development and research servers (some 85,000 individually fact-checked and hand-processed documents).
  - Created a graphical display of statistics of all the site's visitors.
- Sole maintainer of a network of 30 computers at Martin-Marietta.
- Educator/Trainer/Lecturer on HTML and Web Processes in Washington D.C.
- Designed Applications and scripts for over 40 servers including:
  - Secure Development to Production to Washington Production Servers
  - The document conversion process from FTP to Web Servers
  - User Security and custom automated CGI Scripts.
  - Automated Image conversion and thumbnail generation.

**Campus Computer Center Manager 1993-1995**  
**Berea College Computer Center, Berea KY**

- The sole campus installer and maintainer of all Personal Computers, Printers, and personal computer networking. Built and installed a new Campus of some 750 personal computers and personal computer accessories.
- Also installed new software and assembled any order of Apple computers from any alumni or visitors who wished to purchase a computer.
- Senior Campus-wide Network Administrator, installing the latest fiber optic.
- Supervisory Oversight of all shared Campus Computer Labs

**Assistant Teacher / Physics Lab Technician 1992-1994**  
**Berea College Physics Department, Berea KY**

- Teachers Assistant to Astronomy & Physics Classes.
- Designed and Developed revolutionary digital circuits.
- Maintained Physics Lab's experiment equipment
- Situated Physics experiments, and assisted professors and students during student labs, including Astronomy, Classical Mechanics, and Optics.
- Did some independent studies in Holography and Laser Optics.
- Independently Modeled and built experimental driven harmonic oscillating apparatus and wrote data collection and analyzing software to verify Chaos Theory Bifurcation believed to be intrinsic in every system open or closed.



**Computer Instructor / Lab Supervisor 1991-1992****Berea College Industrial Arts Department, Berea KY**

- Educator/Lecturer: Independently Taught college-level courses in computer programming and to the Berea Westerville Post-Degree Education Program
- Maintained Computer Labs Hardware and created support Software.
- Supervised CAD & Computer Labs and assisted any with questions on any application of any computer, software, or industrial equipment.
- Teaching also included implementing Video Game Design and programming, spreadsheet use, word processing, programming, and general computer use.

**HartMore Computers, Berea KY 1990-1992**

Store supervisor assembling custom designs of PCs & computer repair.

**Communication Security Officer during SMP 1989-1993****United States Army**

- Reserve Officers Training Corp. University of Tennessee
- SMTP (Simultaneous Membership Training Program where a student in the R.O.T.C. was also an Officer [2<sup>nd</sup> Lt for all effective purposes]) as the Communication Security Officer at the 278<sup>th</sup> TN National Guard ACR.
- Did write up the entire 278<sup>th</sup> Regiment as a risk and liability on SOI procedures.
- Tactical Telecommunications Center Supervisor as SMP Military Occupational Skill, classified document issue, recovery & management.
- Top Secret Clearance, Ft. Gordon Signal Corp, Cryptography.
- Expert (highest qualification) in:
  - Communications Security (72E M.O.S. Top of Class)
  - Claymore Mine / LAW / Combat Explosives
  - M-16 Rifle (Hawkeye)
- Appointed Hand-to-Hand Combat Instructor by directive of FM 21-150
- Security Clearance is NOT current, reinstatement is by Federal request only.

**Sole Proprietor and System Administrator, 1989-1991****“Land’s End” Bulletin Board System, University of Tennessee**

- 120+ daily active members, limited by one 2400 baud modem
- Pre-Internet WWIV Dial-up Bulletin Board System
- File and Image sharing, Online applications, Games, and Address Books
- Very active social group meetings were formed around BBS members
- Considered one of the most favored BB Systems in the Smoky Mountain Area.

**Artist, Independent Since 1982**

- Architecture, Digital and Traditional, Living Habitats, Digital, Adobe, Video and Photo, and traditional Various Media, ceramics, oils, latex, pastels, and charcoal.

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COMPETITIONS/AWARDS:

- Solar Splash NA&ME Solar Boat Design Competition: 1st Place Sprint and 1st Place Endurance, University of New Orleans **2009**
- 1<sup>st</sup> Place in Mixed Martial Arts, Sparring Black Belt Division **2001**
- Published and Lectured at ONDCP/CTAC Research Symposium **1998**
- 1<sup>st</sup> Place in Mixed Marital Arts, Black Belt Sparring Division **1997**
- Seven (7) CVA (Customer Value Added Awards) via Turner-Harper Lockheed-Martin-Marietta/ORNL (7 Letters of Appreciation) **1996**
- 7 Certificates of Outstanding Service, Lockheed Martin Marietta **1996**
- 5 Certificates of Appreciation – Lockheed Martin Marietta - **1996**
- Outstanding Service Award – Berea College Student Labor Program **1993-1995**
- Noted Poet – Word Weavers Literary Magazine, Berea College KY **1993**
- Presidential Commendation US NG TN Army ROTC **1990**
- First Place Large Choir State Vocal Competition **1988**
- 1<sup>st</sup> Place National & Regional Science Olympiad **1988**
- Presidential Academic Fitness Award, Campbell County High School **1988**
- Honors in American History – Campbell County High School **1988**
- Honors in Psychology – Campbell County High School **1987**
- Honors in Data Processing – Campbell County High School **1987**
- National Office Education Assoc. 1st Place Computer Programmer **1987**
- 1<sup>st</sup> Place High-IQ High School Competition Campbell County HS TN **1987**
- Outdoorsman, 10 Outstanding Awards–USD Conv, Robert Webb **1982**
- Captain of Volleyball Team, Elm Street Elementary, Paintsville KY **1982**
- Who’s Who Academic All-American, Elm Street Elem, Paintsville KY **1982**
- Honors in Art Paintsville, Elm Street Elem; Paintsville KY **1981**
- First Place, Science Fair – Sonic Cannon, Paintsville Elem KY **1981**
- King of Apple Day, Paintsville KY (Junior Division) **1979**
- 1<sup>st</sup> Place, Publication of Short Story, Paintsville Elm Street Elem **1979**
- 1<sup>st</sup> Place Math Apple Day, Paintsville, Ky Our Lady of the Mountain **1979**

Hobbies:

- Copter Drone Piloting / Aerial Recording
- Robotics & EV (marine and land): programming, remote control & telemetry
- Solar power management and electric motors (marine, ground, air)
- 3-D modeling of the planetary solar system by LIGO observatory data.
- Shiatsu, Kung Fu, Ki-Aikido, Bushido, Kendo, Tai Chi, Qi Gung (Instructor)
- Herbalism, Homeopathy, indoor gardens/habitats, fermentation, biological cultures.
- Climbing and Hiking until 2011
- Cross-Ocean Singlehanded Sailing by Astro-Location and Dead Reckoning
- Strategy Gaming and Competitive Coding
- Anthropological Cultural and Comparative Religious Studies
- All aspects of Residential, Deck and Carpentry, Masonry, Electric, and Lumberjack.
- Wilderness Survival, Extreme, and Glam Camping
- Predator Pack Behavioral Studies

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