

# LTC Kirk C. Benson

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**OBJECTIVE** To work in a challenging and rewarding environment focused on national defense.

## SUMMARY OF QUALIFICATIONS

- 20 year military career with varied experience within operational and institutional organizations.
- Ph.D. level education in Industrial Engineering with expertise in algorithms and control techniques.

## EDUCATION

**Ph.D. Industrial and Systems Engineering**, July 2004 GPA: 3.8/4.0

Thesis: "Adaptive Control of Large-Scale Simulations"

Georgia Institute of Technology (GA Tech), Atlanta, GA

**M.S. Operations Research**, May 1997 GPA: 3.5/4.0

Thesis: "Modeling Data Encapsulation and a Communication Network for the National Training Center"

Naval Postgraduate School, Monterey, CA

**B.S. Mechanical Engineering: Aerospace**, May 1986 GPA: 3.2/4.0

United States Military Academy, West Point, NY

## EXPERIENCE

**Senior Analyst** – Center for Army Analysis, Fort Belvoir, VA, August 2004 – present

- Deployed to Afghanistan periodically to advise/recommend strategic force requirements/positioning. Analytic products incorporated constrained/unconstrained forecasting with an economic / demographic /contextual perspective.
- Lead military/civilian efforts to support operational/institutional efforts in Iraq and Afghanistan by forward positioned agency personnel.
- Managed/led software development and data encapsulation efforts for a simulation model used as a core tool for Army budget forecasting.

**Director of Computer Operations / Assistant Professor** – Department of Mathematical Sciences, United States Military Academy, West Point, NY, July 1997 – July 2000.

- Planned/managed/administrated a 150 node client/server computer system with 2200 users.
- Instructed Calculus I/II, Probability and Statistics, Discrete Math, and Combat Models.

**Assistant Division Engineer / Company Commander / Assistant Operations Officer – 25<sup>th</sup> Infantry Division (Light)**, Schofield Barracks, HI, December 1990 – December 1994.

- Advised, in an engineering context, on operational efforts for a 10,000 man unit with Southeast Asia responsibilities.
- Served as a Brigade Engineer in 3<sup>rd</sup> Armored Division during Gulf War I.

**Construction Officer / Executive Officer / Platoon Leader – 94<sup>th</sup> Engineer Battalion (Heavy)**, Darmstadt, Germany, December 1986 – January 1990.

## COMPUTER SKILLS

**Platforms:** Windows (XP and 2003 Server) / IRIX / SOLARIS / LINUX.

**Software:** Microsoft .NET, SQL Server, Office platforms, and others.

**Programming:** Object Pascal, C+/++, C#, Java, VB, and some expertise with scripting.

## MILITARY CERTIFICATIONS

Airborne, Ranger, Sapper, Strategist, Joint Planner, Force Management, Space Operations, Command and General Staff Graduate – currently enrolled in the Army War College distance education program.

## PUBLICATIONS

A list of publications is available at <http://www.bensco.us/>

## Personal

Married to Shelley.

Excellent physical condition.

I enjoy reading, skiing, and weight lifting.