



Job Profile Information

Organization	BAE Systems, Advanced Information Technologies
Contact Person	Interested candidates should submit a cover letter and current resume that highlights relevant system dynamics expertise to Dawn Therrien
Phone, Email URL	dawn.therrien@baesystems.com Phone: (703) 979-0799 www.alphatech.com
Position title	Computational Social Scientist-System Dynamics Emphasis
Job location	Arlington, Virginia (relocation funding available)
Position description	BAE Systems, Advanced Information Technology, is looking for an experienced Computational Social Scientist who is ready for a new challenge with an innovative organization. This individual should expect to participate on a team developing innovative solutions to “Intelligence Hard” problems. These solutions require the Computational Social Scientist to implement social science theory and perspectives as software. This software is normally developed as a prototype and co-evolved to an advanced Beta level with customer involvement. The Computational Social Scientist should have, or is pursuing, a post-secondary degree in a social science discipline, public policy analysis, national security studies, or interdisciplinary program with a strong social science focus. Formal training should be complemented with strong competencies in the Modeling, Simulation or Gaming of social phenomenon, or an additional degree in Computer Science or directly related field. Work will be conducted with or at multiple DOD, Intelligence Community, Department of Homeland Security or law enforcement organizations in North America. (Majority of work to occur in the Northern Virginia and DC area. Applicants selected will be subject to a government security investigation and must meet the eligibility requirements for access to classified information.
Required skills	<p>Qualified candidates must have the following:</p> <ul style="list-style-type: none"> • Masters degree, Ph.D. preferred, in Computational Social Science, Computational Linguistics, Public Policy Analysis, Quantitative Social Sciences and/or Computer Science. • 3-5 years Computational or Quantitative Social Science methods and applications experience. • Strong familiarity with software development in languages such as C++, C#, JAVA, LISP, Prolog or Mathematica. • Analytic skills to include agent-based simulation, multivariate statistics, dynamical system modeling, systems dynamics modeling, decision theory and/or Monte Carlo simulation. • Ability to formulate and develop computational societal & behavioral models and simulation consistent with social science theory and empirical data analysis. • Exposure and competence in modeling development environments, e.g. Repast, MASON, iThink, etc. • Experience working within a Research & Development environment. • U.S. Citizenship required. <p>Clearance desired is active TS/SCI. Lesser clearances (TS and/or Secret) may be acceptable as long as the individual is clearable to the TS/SCI level.</p>
Desired Skills	Defense Planning, National or Homeland Security, and Intelligence community experience. Expertise with modeling visualization approaches.
Salary Range	Commensurate with experience

