Senior Decision Support Analyst

What You'll Do

- ❖ You will be part of a world class Technology and Quality Group in Supply Chain Operations and contribute to making high stakes decision and risk analysis on a wide variety of business-critical issues.
- ❖ Leverage your expertise in operations research, mathematics, statistics, business analysis, risk analysis, and cost benefit analysis to apply mathematical modeling approaches to solve various problems.
- ❖ Utilize mathematical methods to illustrate uncertainty using limited data and ensure quality decision analysis. Establish clear objectives for analyzing systems and ensure appropriate data collection to support conclusions.
- ❖ Develop Modeling and Simulation (M&S) methodologies to address questions and problem statements. Select the appropriate M&S approaches based on system attributes and complexities.
- ❖ Apply innovative, analytical approaches to make 'insight-to-action' recommendations to achieve the business objective.
- ❖ Continuously leverage expert business/analytical knowledge to test initial solutions with relevant cross-functional team to gain additional insight.
- ❖ Engage broadly within the organization to identify and prioritize complex/ambiguous problems where advanced analytic tools can have significant impact.
- ❖ Influence the direction of engineering teams and affect change. Collaborate with stakeholders to gather, consolidate and validate business assumptions relevant to the solution strategy throughout the process.
- ❖ Effectively communicate recommendations to upper level management and influence business strategy. Incorporate visualization techniques to present the analysis to less technical audiences.
- ❖ Participate in industry consortia, conferences and collaborate with academia and other strategic partners to develop new methodologies and influence Cisco's position in the industry.
- ❖ Evaluate and adopt new technologies to help the organization push the envelope and drive cutting-edge innovation in technology risk assessment and decision-making.

Who You Will Work With

The Technology and Quality Organization in Supply Chain Operations is a key hub of technical innovation in Cisco. Members of the organization have a broad scope of influence: interacting with Business Units, Product Operations, Manufacturing Operations, Planning and Fulfillment, Supplier Management and directly with Suppliers. In addition, members of the organization participate in industry consortia, conferences and collaborate with academia and other strategic partners. The organization focuses on evaluating and adopting new technologies to help Cisco leapfrog the competition in advanced algorithms and solutions to solve complex problems.

Who You Are

Minimum Qualifications:

- MS degree in Operations Research, Industrial Engineering, Statistics, related field or equivalent practical experience.
- 2 – 5 years of relevant work experience including statistical software (R, SAP HANA, SAS or similar), databases (SQL) and scripting languages (such as Python).

Preferred qualifications:

- PhD in Operations Research, Industrial Engineering, Statistics or related field.
- 2 – 5 years of relevant industry experience applying advanced analytics models.
- Applied experience with machine learning on large datasets.
- Strong problem-framing, problem-solving and project management skills, with the ability to communicate insights and "so what's" to highly technical management teams.
- Strong customer focus and team collaboration skills.

Desired Skills:
Experience or training in the following:

- Risk Analysis
- Quantification of business outcomes
- Behavioral Analysis
- Multi-Criteria Decision Analysis
- Bayesian Inference
- Queuing Theory
- Machine Learning
- Markov Chains
- Monte Carlo Simulations

- Ability to lead by influence without direct reporting chain and advise executive decision makers
- Self-starter, proven ability to work independently on multiple projects and priorities
- Ability to think quickly, respond to changing demands, anticipate future problems, and recommend preventative courses of action
- Excellent communication, project management and metrics design skills
- Ability to create presentations for diverse audiences and varying executive levels to support agile decision-making

Why Cisco

We connect everything: people, processes, data, and things. We innovate everywhere, taking bold risks to shape the technologies that give us smart cities, connected cars, and handheld hospitals. And we do it in style with unique personalities who aren't afraid to change the way the world works, lives, plays and learns.

We are thought leaders, tech geeks, pop culture aficionados, and we even have a few purple haired rock stars. We celebrate the creativity and diversity that fuels our innovation. We are dreamers and we are doers.

We Are Cisco

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