The Value Chain Management organization within the Strategy and Deployment organization is looking for operations oriented data science interns focusing on enabling transformation of supply chain through innovative end-to-end modeling. The position is responsible for analyzing business issues that span across the entire value chain of the product life cycle (DTV, Launch, Network, Capacity) and enable decision making towards impact through modeling and optimization. The role also contributes to technology platform-wide strategic discussions to sustain and improve J&J's capability to effectively identify, prioritize and mitigate end to end value chain trade-offs that enable profitable growth by improving cost, service and agility to improve J&Js position in the market.

**Internship Description**

The candidate will utilize data science techniques to acquire, augment, and analyze diverse data sets, providing business solutions for specific segments within J&J. The role requires both a broad knowledge of supply chain insights, data integration methods, data management, and dashboard/visualization creation. The ideal candidate will have grounded knowledge in the field of modeling and simulation and creativity to invent, customize, and work in a multidisciplinary environment to drive business solutions. The candidate will be part of a dynamic, accomplished team that will support the Value Chain organization.

**Position Responsibilities**

The candidate will work with colleagues in modeling and simulation across different J&J franchises to help in applying advanced analytics to answer business questions related to projects in one of the key focus areas of the group from a supply chain perspective (DTV, Launch, Network, Capacity). S/he will be a full time member of a project team with focus on

- Partnering with SC leaders across segments to understand the business context and develop solutions to explore and address business questions through baseline assessment and scenario planning
- Translate the data into information and insights – with clear scenario analysis and business impact – and execution plan to drive impact
- Continue building on the process and methodology for analytics and modeling for such solutions – building capability within the organization

**Required Skills**

- Familiarity with large datasets, and understanding of data analysis workflows is required.
- Proficiency in one or more programming languages such as Python, Perl, Java, C++, etc. is preferred.
- Significant exposure to modeling and simulation tools (e.g. AIMMS, Simul8) or optimization engines (e.g. CPLEX, Gurobi) or optimization solutions (e.g. Llamasoft preferred)
- Strong supply chain consulting background preferred
- Strong understanding of Statistics as applied to data analysis and experience with statistical package such as R is preferred.
- Experience with data analysis, visualization and workflow software is preferred.
- Strong working knowledge of the processes associated with the end-to-end supply chain, including New Product Introduction (NPI), capacity planning, sourcing, manufacturing (internal and external), logistics, and service is preferred.