**Decision Support Posting – Update September 25, 2017**

**Position:** Student Analyst, Decision Support

**Site:** 525 University Avenue

**Department:** Decision Support

**Reports to:** Senior Analyst and Manager, Decision Support

**Salary Grade:** Commensurate with experience and consistent with organizational compensation policies

**Status:** One year contract

The Decision Support (DS) portfolio at University Health Network (UHN) provides analytical/planning support to operational and clinical areas in all sites and services across UHN, including frontline leadership, the Senior Executive Team, and other decision makers at UHN; as well as to selected Provincial/LHIN initiatives.

The main focus of DS team is to support evidence-based decision making and performance monitoring for a variety of Clinical and Administer/Corporate initiatives including, but not limited to the following: Quality of Care and Safety, Patient Flow, Health Services Funding, Operations Research (Simulation, Forecasting)

* Uses data query tools as required to pull data from multiple sources and merge into new data sets for analytical and modeling purposes and evaluates key performance metrics and trends.
* Develops analytical models for data generated by a variety of systems; Builds analytics models and visualizations.
* Performs data mining tasks, such as anomaly detection, classification, regression, clustering, and summarization/recommendation analysis.
* Builds, evaluates and improves various algorithms at the core of existing or new data driven models.
* Continuously identifies opportunities and solutions to better meet business needs.
* Develops and implements various types of predictive models, simulations, data mining analyses, and performs research
* Effectively communicates the findings and benefits of the analytic solution to audiences.

This posting is a wonderful and practical learning experience.

**QUALIFICATIONS**

* Pursuing a degree in a related fields (Industrial Engineering, Operations Research or other quantitative disciplines)
* Course experience in statistical analysis and simulation modeling; healthcare experience is an asset
* Knowledge of the field of Operations Research and experience working with methodologies such as predictive modeling, simulation, segmentation forecasting, operations research and data mining
* Knowledge of statistical modeling tools (e.g., SAS, R) and other data query tools (SQL); experience with BI tools, Visual Basic, Visio, and database structures is an asset
* Experience using simulation software (Simio, SIMUL8 or equivalent)
* Knowledge of Canadian health care standard datasets, such as Discharge Abstract Database (DAD), National Ambulatory Care Reporting System (NACRS), Continuing Care Reporting System (CCRS), National Rehabilitation Reporting System (NRS), is an asset
* Knowledge of health care reporting requirements (e.g. OHRS and MIS guidelines) and funding methodologies (HBAM and QBP), is an asset
* Experience with MS Office (specifically Word, Excel, PowerPoint)
* Strong communication skills to deal effectively with stakeholders and the ability to work effectively in a team as well as independently.
* Excellent organizational skills, experience working in a project environment, advanced analytical ability
* Adherence to confidentiality policy for sensitive financial and clinical information
* May be required to work at all UHN sites

**CONTACT**

If interested, please send an expression of interest and resume to Shoshana Hahn-Goldberg and Shahin Ansari at UHN.

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