Janssen Pharmaceutical Companies of Johnson & Johnson

2018 Summer Intern, Data Sciences (Titusville, NJ)

The Data Sciences IT department is currently recruiting an outstanding summer intern. This position is located in Titusville, NJ. Additional travel up to 10% may be required.

‘Caring for the world, one person at a time’... inspires and unites the people of Johnson & Johnson. We embrace research and science - bringing innovative ideas, products and services to advance the health and well-being of people. Employees of the Johnson & Johnson Family of Companies work with partners in health care to touch the lives of over a billion people every day, throughout the world.

Janssen Research & Development, L.L.C. develops treatments that improve the health and lifestyles of people worldwide. Research and development areas encompass novel targets in neurologic disorders, gastroenterology, oncology, infectious disease, diabetes, hematology, metabolic disorders, immunologic disorders, and reproductive medicine.

The Pharma IT Data Sciences group is recruiting an outstanding intern interested in designing, implementing, and delivering data mining solutions that have direct impact on patient health. The Data Sciences group spans across the entire value chain at Janssen from discovery to post launch and commercial, and its core mission is to leverage data to create insights that impact health care. This uniquely positioned organization will enable talented interns to work with various business units to help identify viable data mining opportunities and deliver novel, end-to-end data analytical solutions.

Internship Description

The candidate will develop solutions to measure privacy risk and to de-identify data and documents. Potential projects include implementing tools for measuring risk in big dataset(s), building visualizations to communicate privacy risk with stakeholders, and developing methods to address missing or incomplete data. The role requires a broad knowledge of applied statistics, data wrangling, data integration methods, and visualization creation. The ideal candidate will have grounded knowledge in the field of statistics or data sciences, programming in R, 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 Data Sciences organization.

Position Responsibilities

The candidate will work with colleagues in Data Sciences and partner with key businesses across Janssen to help in applying advanced analytics to answer business questions related to projects in one of the key focus areas of the group (Machine Learning, Privacy and Patient De-
identification Analytics, Real World Evidence, Big Data Analytics or Semantic Integration & Business Insights). He/She will be a full member of a project team to help connect with other data scientists and business partners to gather requirements around a critical business need, and also act in a primary role as a trusted primary IT partner. He/She will collaborate with subject matter experts from the business and use their feedback to create and iterate on data solutions.

**Required Skills**

- A minimum of a Bachelor’s degree in Data Sciences, Statistics or a related discipline.
- Strong understanding of Statistics as applied to data analysis and modeling.
- Experience with data manipulation, visualization and modelling in R is required. Experience using SAS for data export/import and analysis is a plus.
- Familiarity with large datasets, handling of datasets and understanding of data analysis workflows is required.
- Experience building population statistics to compare to the prevalence of elements in the analysis dataset is preferred.
- Experience communicating methods and results to business partners is preferred.
- Proficiency in one or more programming languages such as Python, Perl, Java, C++, etc. is preferred.
- Experience working in a data warehouse environment with exposure to INFORMATICA, Redshift and Teradata. Knowledge of health outcomes databases (claim, EMR/EHR, survey, observation studies) is a plus.
- Understanding of clinical data model/standards/vocabularies such as MedDRA, SNOMED, CDISC, CDM and RxNORM is a plus.
- Experience with web development (HTML, Javascript, CSS, PHP, etc…) is a plus.
- Coursework or background in biology, chemistry, biochemistry, molecular biology, biomedical engineering and other life sciences is a plus.

BE VITAL in your career, Be seen for the talent you bring to your work. Explore opportunities within the Johnson &Johnson Family of Companies

**Directions:**

Applicants should apply as soon as possibly by sending a resume to Kirsten Lum (klum@its.jnj.com) with the subject: 2018 Internship position <Last name, First name>.