

TITLE: Data Engineering Co-op

DEPARTMENT: Information Technology

REPORTS TO: Supervisor, Mechanical Engineering

BENEFITS: Medical, dental, vision, life insurance, short and long term disability insurance, paid time off package, 401k with company contribution, FSA or HSA options, educational assistance, dependent scholarship program, onsite fitness center, and much more!

General Responsibilities:

The Data Engineering Co-op will work closely with the Data Scientist to analyze structured and unstructured data for an ongoing Data Imperative project. Communicate and collaborate with colleagues to ensure highly efficient and innovative performance.

Specific Duties:

- Design, develop, and support our Data infrastructure utilizing various technologies to process data, including SQL, Python, R, Microsoft Azure, and AWS.
- Work with Data Scientist to support model building and create solutions to enable diagnostic and predictive analytics capabilities from the raw data.
- Develop high-throughput ETL workflows to process data from multiple sources (structured/unstructured) ensuring necessary security practices are followed (using certificates, hashing, AD permissions).
- Familiarity with reporting and visualization tools, such as Power BI, Tableau, Business Objects, etc.
- Collaborate with different departments and translate business needs into technical requirements.
- Be curious to provide research-oriented solutions on the trends and emerging technologies in the Data space to address business or process challenges.

Job Qualifications:

- Pursuing a degree in Computer Science, Information Science, Data Science and Analytics or related field.
- Proficiency in Python and/or R and experience in mining data for analysis, matrix math, and machine learning frameworks (Tensorflow, Keras, Pandas, Numpy, Scikit Learn, Scipy)
- Familiarity with SQL programming and developing end-to-end data pipelines for on-premise and/or cloud-compute infrastructure solutions such as Azure, AWS and Google.
- Knowledge of Data analytics lifecycle and ETL tools such as Alteryx, Pentaho, Talend.
- Proactively identify opportunities to pitch analytic projects and get things done with minimum guidance.
- Excellent oral and written communication skills.

To apply for this position, please complete an [employment application](#) and send to careers@gorbel.com.

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