

Data Scientist

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Date: Apr 15, 2015

Location: Ottawa, ON, CA

Bell is a truly Canadian company with over 134 years of success. We are defined by the passion of our team members and their belief in our company's vast potential. To ensure we continue to be recognized as Canada's leading communications company, we're committed to finding and developing the next generation of leaders. This means creating best-in-class career and development opportunities for our employees. If you're passionate, driven and find yourself seeking interesting work, new challenges and continuous learning opportunities, then we want you to join our team.

Corporate Groups offers best practice services to support the organization, including Finance, Legal & Regulatory, Brand, Corporate Services – including HR, Communications, Real Estate, Security and Procurement & Value Creation.

Bell is currently seeking a candidate for the position of Data Scientist. Reporting to the Senior Manager, Information Security Response, the primary focus for the position is to define the threat landscape and protect the enterprise through cyber intelligence activities. The key accountabilities for this position include data science and production and communication of threats to bolster proactive defense measures. Writing threat reports and presentation of original threat research in a professional, concise, confident and timely manner are also key accountabilities. The ability to protect confidential information and operate within all policies, procedures and work instructions is a must, as the position involves communication with trusted partners to exchange cyber threat indicators.

Responsibilities:

- Design and implement data models, perform statistical analysis and introduce predictive analysis models.
- Increase the cyber security effectiveness of mathematical correlation algorithms in a Big Data analytics environment.
- Provide thought leadership on data science in a cyber threat intelligence context.
- Producing cyber threat intelligence to define the current threat landscape and further the enterprise security risk management strategy
- Perform technical research into malware security incidents to identify tactics, techniques and procedures and to highlight new threats
- Leverage analytics involving large datasets to refine and improve data models and determine confidence levels for newly produced threat indicators
- Integrate internal systems, open source and trusted partner information through exchange of threat indicators to better protect the enterprise
- Provide actionable intelligence information for delivery to internal stakeholders in the form of technical reports, briefings, and data feeds
- Increase awareness and analytical effectiveness by implementing visualizations of cyber threat indicators
- Participate in cyber threat exchange forums and information sharing and analysis centers
- Participate in the enterprise incident response process and lead post-incident reviews

Required qualifications:

- Bachelor's or Advanced degree in Mathematics, Physics, Engineering or Computer Science or the equivalent.
- Knowledge of cyber threats including malware, cybercrime and advanced threats
- Knowledge or experience with Big Data, Analytics, Statistical Models, Hadoop and R

- Ability to interpret disparate sources of data and produce high quality intelligence assessments and reports
- In depth knowledge of operating systems, computer architecture, networking protocols and security technologies.
- In depth knowledge of network-based and host-based artifacts analysis, malware decompilation and forensics.
- Programming skills with C, Python, Scripting languages
- Sound document writing skills
- Good knowledge of common office tools.
- Existing Secret clearance or ability to obtain is preferred
- Ability to communicate in French is an asset

Note:

- The successful candidate must successfully go through extensive background verifications including but not limited to criminal record and reputational checks
- All Security personnel are required to sign a letter of non-disclosure which prevents them from divulging sensitive information that they may be exposed to during their assignment. This policy is strictly enforced.

Behaviour skills:

- Initiative
- Sense of collaboration (teamwork)
- Interpersonal Skills
- Ability to influence
- Compliance with commitments
- Results Orientation
- Verbal and written
- Supervision and monitoring

TC:BI

BCE:WKP #Feature *LI-SG

Bilingualism is an asset (English & French)

Additional Information:

Position Type: Management

Job Location: Canada : Ontario : Mississauga || Canada : Ontario : Ottawa || Canada : Ontario : Toronto

Application Deadline: 04/27/2015

Please apply directly online to be considered for this role. Applications through email will not be accepted.

Bell is committed to fostering an inclusive, equitable, and accessible environment where all employees and customers feel valued, respected, and supported. We are dedicated to building a workforce that reflects the diversity of the communities in which we live and serve, and where every team member has the opportunity to reach their full potential.

Created: Canada, ON, Ottawa