



# Senior ML Data Scientist \_ Content Creation Technology Group

**Montreal - Full-time - 744000067334126**

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The Content Creation Technology Group (CCTG) is looking for a Senior ML Data scientist to work in a team that develops machine learning solutions to improve the player experience, including a project on bots that simulate real competing players. The Senior ML Data scientist will create highly efficient self-learning systems that can adapt and evolve over time, pushing the boundaries of AI technology. Join us and be at the forefront of innovation in the field of machine learning.

**Main responsibilities:**

- Create, validate, test and update ML algorithms and models.
- Identify, prepare, and analyze data for training and testing purposes.
- Conduct experiments, perform statistical analysis, fine-tune and optimize models.
- Use analytical rigor and statistical methods to analyze large amounts of data, developing actionable insights using advanced statistical techniques such as predictive statistical models, user/player profiling, segmentation analysis, survey design, analysis and data mining.
- Oversee and design various proofs of concept to validate AI projects.
- Research new ways for modeling and predicting behavior and design experiments to answer targeted questions.

**Other responsibilities:**

- Collaborating with cross-functional teams to define project requirements and objectives.

- Conducting research to stay up to date with the latest advancements.
- Documentation, presentations, and knowledge sharing to communicate complex AI concepts to both technical and non-technical collaborators.
- Mentor other members of the team.

**Education:**

- Master's degree and/or Ph.D. preferred in applied math, statistics, machine learning or equivalent experience.

**Relevant Experience:**

- 3 to 5 years of complex experience and job-related in-depth expertise.

**Core Skills:**

- Ability to use and develop machine learning algorithms and related proven methods.
- Ability to use advanced data science techniques.
- Ability to use statistics to understand behavior of systems and/or players.
- Being Familiar with Big Data Technology (Hadoop, Casandra, MongoDB, ElasticSearch).
- Passion for using data science to solve problems.
- Ability to quickly assess a problem both qualitatively and quantitatively.

**Other skills:**

- Software engineering skills.
- Being familiar with distributed computing to train models.

- Proficient in Python and have experience with libraries and frameworks such as PyTorch and/or TensorFlow.
- A good knowledge of cloud-based platforms is an asset.
- Team player with excellent organizational, communication and interpersonal skills.
- Business value oriented.
- Bilingualism (French, English).

We embrace a hybrid work model helping you stay connected with your team and aligned with business priorities, while giving you the opportunity to maintain your work-life balance. Note, that some roles are fully office-based and are not eligible for hybrid work.