Senior ML Data Scientist _ Content Creation Technology Group

Montreal - Full-time - 744000037373555

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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).