



Senior ML Programmer _ Content Creation Technology Group

Montreal - Full-time - 744000035164656

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The Content Creation Technology Group (CCTG) is looking for a Senior AI/ML Programmer who will contribute to the development of applications in the domains of Generative AI and ML bots. The Senior AI/ML Programmer role will bring best practices and design principles to assist the team in delivering our ambitious features roadmap.

Main responsibilities:

- Provide and support ML systems based on the business requirements and objectives.
- Set out technical designs to meet system needs whenever necessary
- Collaborate with data science team, specialist programmers (AI, 3D, physics, sound, animation, etc.), research team and other stakeholders like productions.
- Develop, integrate and maintain Inference engines, ML libraries and frameworks
- Leverage best hardware (NPU, GPU, CPU) to accelerate ML related computations
- Develop systems that allow Gameplay programmers and Data scientist to easily track relevant data to train models
- Develop systems to benchmark, evaluate and optimize model's performance
- Program in a clear and structured manner that is in keeping with performance, maintenance, modularity, scalability and compatibility requirements
- Write unit tests and integration tests

Other responsibilities:

- Creating proof of concepts, that can require model training, fine tuning, experimenting with different techniques and models.
- Suggest improvements whenever necessary by designing and implementing new systems or enhancing existing ones
- 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.

Education:

- Bachelor's degree in computer science or computer engineering or equivalent. Master in Machine Learning is an asset.

Relevant Experience:

- Minimum 5 years' experience in AI/ML.

Core Skills:

- A good knowledge of Machine Learning and deep learning fundamentals.
- Extensive knowledge of C++
- Strong Architecture skills
- A good hardware knowledge, to take advantage of multithreading, and optimize memory management.

Other Skills:

- Proficient in Python is an asset.
- Experience working with game engines is an asset.
- A good knowledge of Database products is an asset.
- A good knowledge of cloud-based platforms is an asset.