



Player Protection and Game Security Data Scientist [Rainbow Six Siege]

Montreal - Full-time - 744000088625765

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What you will do

Summary

As a core member of the Rainbow Six Siege Game Security team, the Player Protection and Game Security Data Scientist plays a crucial role in safeguarding the integrity of the player experience. This role focuses on leveraging data to detect and mitigate threats that undermine fairness, safety, and trust within the game.

The Data Scientist will concentrate on protecting three key pillars:

1. Monetization fairness, addressing issues like marketplace abuse and item exploitation.
2. Competitive integrity, identifying behaviors such as boosting and smurfing.
3. Account integrity, tackling account theft, unauthorized access, and account selling.

The initial priority will be to lead the strategy against Marketplace and Grey Market abuse and fraud. This includes analyzing abuse patterns and fraud types, defining key metrics to monitor their evolution, designing alert systems to automatically detect market anomalies, advising on response strategies and safeguards post-detection, and collaborating with the monetization team to implement reinforcement mechanisms that curb abuse while preserving market freedom.

Beyond monetization, the Data Scientist will contribute to strategies that uphold competitive integrity at the game level, ensuring that insights and interventions align with the mission to protect players and maintain a fair environment.

For account integrity, the role involves applying cross-functional expertise to strengthen existing defenses, overseeing monitoring systems, and ensuring timely detection and response to emerging threats.

Responsibilities

- Marketplace Abuse Strategy Lead the development and implementation of strategies to detect and mitigate marketplace and grey market abuses. Define and monitor key metrics to track

fraudulent behaviors, build alerting systems to flag anomalies, and collaborate with monetization teams to design safeguards that reduce abuse while preserving market dynamics. Provide data-driven insights to support enforcement actions and policy adjustments.

- Cross-Team Collaboration

Work with teams such as UDO, Online Services, SRM, CRC and Game Security to enhance detection and response capabilities. Connect data across systems to trace the full lifecycle of abuse, from detection to sanction to appeal.

- Player Protection KPIs Monitoring Alerts

Create alerts based KPI metrics that reflect the health of the player protection ecosystem. Develop real-time alerting based on abuse trends, system effectiveness, and threat actor behaviors.

- Abuse Intelligence Systems

Develop and maintain systems that will detect abuse patterns across competitive, monetization, and account-related domains. Use data from multiple ecosystems to uncover emerging threats and assess their impact on players.

- Innovation & Research

Stay current with industry trends in anomaly detection, behavioral analytics, and game data science. Propose new approaches and technologies to strengthen player protection strategies.

What you bring

Qualifications

- Bachelor's or master's degree in data science or analysis, Computer Science, Statistics, or a related field.
- 3+ years of experience in data science, ideally in gaming, fraud detection, or cybersecurity.
- Knowledge of financial compliance or market fraud detection.
- Knowledge of anomaly detection, classification models, and clustering techniques.
- Experience with behavioral analytics and fraud detection algorithms.
- Experience with building or maintaining real-time alerting systems or streaming data pipelines.
- Familiarity with game telemetry, matchmaking systems, or player behavior analytics is a plus.

Skills & Attributes:

- Strong analytical and problem-solving abilities
- Genuine interest in player protection and game security
- Autonomous, proactive, and results-driven
- Excellent communicator with the ability to turn complex data into actionable insights
- Curious, pragmatic, and adaptable to fast-evolving challenges
- Collaborative team player with a security-first mindset
- Fluency in English is required for effective communication with our colleagues and partners around the world who do not speak French.

Ubisoft is a global leader in gaming with teams across the world creating original and memorable gaming experiences, from Assassin's Creed, Rainbow Six to Just Dance and more. We believe diverse perspectives help both players and teams thrive. If you're passionate about innovation and pushing entertainment boundaries, join our journey and help us create the unknown!

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.