

Mathematician Designer & Senior

Mathematician Designer

Job No: **99596**

Location: **Drummondville, QC**

- **Excellent opportunity for a talented Mathematician Designer to join an industry leader!**
- **Don't miss this opportunity to work on games that are at the forefront of research and development.**
- **Enjoy competitive compensation, full benefits, and employee bonus program!**

About the Organization

Started in 1994, Bluberi is a Canadian company specialized in the conception and design of casino games. We employ nearly 100 people that work in fields as diverse as: hardware engineering, game design, graphics and sound, mathematics, programming, quality control, and technical support (Help Desk and Network Operations Centre with 24/7 availability).

Bluberi doesn't try to be an early adopter. We choose to redefine the landscape of the gaming world and be at the forefront of research and development. This is accomplished by bringing forth our own methodology and advancements in the fields of predictive analytics and insights, gaming behaviour and hardware engineering.

With a long history of developing high-performance products, paired with exceptional customer service across Class II, Class III and TLS gaming jurisdictions, Bluberi is experiencing a period of rapid growth and want you to join our team!

At Bluberi, we contribute much of our success to our dedicated and hard-working staff. Our close-knit organization values maintaining a productive and harmonious environment, with numerous events for staff throughout the year and a success-driven leadership team, we ensure that Bluberi is a place where you will enjoy coming to work every day!

For more info see: <https://www.bluberi.com/>

About the Opportunity

Bluberi has an excellent opportunity for innovative **Mathematician Designers and Senior Mathematician Designers** to join our team in Drummondville, QC. There is also an option for the right candidate to work remotely if desired.

As a **Mathematician Designer**, you will be responsible for developing new mathematic models and adapting them for different markets of operations while maintaining the same game feel experience.

More specifically, your responsibilities will include:

- Developing math model that will create the game experience aligned with Game Design
- Calculating the probabilities of the winning events
- Developing bonus algorithms for accurate math and behaviour – create file for game software implementation
- Demonstrating the expected game experience using some mathematics/analytics tools
- Providing accurate calculation of Excel files and algorithms/formulae to support math model
- Simulating and validating the calculation using the internal tools
- Replicating the Class III math model in the Class II solutions
- Identifying technical issues/challenges and communicating them to a direct manager with a potential solution
- Collaborating with other departments on ongoing development when needed
- Producing detailed statistic report on each mathematic model developed

To be successful in this role, you will have a **Bachelors degree in Mathematics (Major/Minor in Statistics is preferred)** combined with a **minimum of 2 years of experience** with developing math models for casino games, Microsoft Excel and programming math simulators with C++ or C# language.

As a **Senior Mathematician Designer**, you will be responsible for developing innovative game mechanics and developing math models for Base, Mid-Premium and Premium contents that will provide successful play experience.

More specifically, your responsibilities will include:

- Developing Class III math models that will create the game experience aligned with Game Design
- Developing bonus algorithms for accurate math and behaviour – create file for game software implementation
- Demonstrating the expected game experience using some mathematics/analytics tools
- Providing accurate calculation of Excel files and algorithms/formulae to support math model
- Writing, modifying and testing code for math simulations
- Actively collaborating in Game Design Jam Sessions
- Proposing and developing new game mechanics and variants
- Developing a library of custom software/tools supporting new game mechanics

- Knowledge transfer to team members and mentoring when required
- Identify technical issues/challenges and communicating them to a direct manager with potential solutions
- Collaborating with other departments on ongoing development when needed
- Maintaining open communication with manager and team members regarding project development progress
- Producing detailed statistic reports on each mathematic model developed

To be successful in this role, you will have a **Bachelors degree in Mathematics (Major/Minor in Statistics is preferred)** combined with a **minimum of 5 years of experience** with developing math models for casino games, developing new game mechanics for casino games and programming math simulators with C++ or C# language.

Our ideal candidates will also possess:

- Advanced knowledge of Microsoft Excel
- Strong analytics skills
- High attention to detail
- Self-motivated attitude
- The ability to work well as part of a team
- Flexibility

Please note that the ability to speak French will be considered an asset for this role.

If you are an enthusiastic and detail-orientated individual that is capable of managing and organizing multiple high priority projects, we want to hear from you!

About the Benefits

The successful candidate will be rewarded with **excellent remuneration**, dependent on experience.

In addition, Bluberi employees enjoy a wide range of excellent **benefits**, including:

- 13 Holiday days
- Health, dental and vision insurance plan
- 3 days of sick leave
- 3 weeks vacation to start
- Employee bonus structure depending on the company performance

- In-house training
- Further education allowance

At Bluberi we value the happiness of our team and host numerous social events over the year including an annual golf tournament and Christmas parties.

This is a unique opportunity to join a team of a thriving and growing company, at an exciting time. Furthermore, you will enjoy being part of a working environment that promotes **personal and professional growth** in an atmosphere of trust, respect, and collaboration.

If you believe you have what it takes to help make a meaningful contribution to an industry leader, Apply Now!