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# Rene Jean-Marie

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## Professional Summary

First-Class Mathematics graduate from the University of Warwick with expertise in Stochastic Processes, Markov Chains, and Game Theory. Experienced in developing high-performance mathematical models using C++, Python, and Java. Proven ability to analyze large datasets, automate workflows, and apply quantitative reasoning. Seeking to leverage analytical skills to deliver systematic trading strategies at Onyx Capital Group.

## Technical Skills

- \*\*Programming Languages:\*\* Python, C++, Java
- \*\*Quantitative Modelling:\*\* Stochastic Processes, Markov Chains, Game Theory, Mathematical Finance, Time-Series Analysis
- \*\*Data Analysis:\*\* Predictive Analytics, Statistical Modelling, Process Automation, Advanced Excel (Lambda/Map)
- \*\*Tools:\*\* GitHub, JIRA, Confluence

## Professional Experience

### \*\*Quantitative Game Mathematician\*\*

RAWiGaming - London | May 2024 - Present

- Develop and implement C++ mathematical models focusing on risk-reward calibration and system efficiency.
- Conduct time-series analysis to optimize performance and automate development workflows.
- Utilize Python for data-driven modelling to enhance system fairness and stability.

### \*\*Junior Games Mathematician\*\*

Push Gaming - London | May 2023 - Dec 2023

- Designed and validated the statistical core of online applications using Java, ensuring mathematical integrity.
- Streamlined analytical workflows with advanced Excel functions, improving efficiency.
- Enhanced existing methodologies to establish a rigorous, data-centric development process.

## Education

### \*\*University of Warwick\*\*

BSc (Hons) Mathematics - First Class Honours

\*Relevant Coursework:\* Mathematical Finance, Stochastic Processes, Markov Chains, Game Theory

### \*\*King's College London Maths School\*\*

A-Levels: Mathematics (A), Further Mathematics (A), Physics (A\*)

## Leadership & Collaborative Experience

- \*\*President, Warwick Pride Society:\*\* Led stakeholder coordination and organized large-scale events.
- \*\*Sergeant, RAF Air Cadets:\*\* Demonstrated leadership and high performance under pressure.

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