Rene Jean-Marie
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GitHub Profile

Professional Summary
First-Class Mathematics graduate from the University of Warwick with deep expertise in Stochastic Processes, Markov Chains, and Game Theory. Proven track record in developing high-performance mathematical models using C++, Python, and Java within fast-paced environments. Adept at analysing large datasets, automating complex workflows, and applying rigorous quantitative reasoning. Seeking to leverage strong analytical skills to deliver high-quality systematic trading strategies at Anson McCade, with a focus on financial markets and automated trading infrastructure.

Key Skills
  - Quantitative Analysis
  - Python Programming
  - C++ Development
  - Data Management
  - Time-Series Analysis
  - Statistical Modelling
  - Process Automation
  - Strong Communication Skills
  - Understanding of Financial Markets
  - Systematic Strategies

Experience

RAWiGaming
Quantitative Game Mathematician
May 2024 - Present
  - Develop and implement sophisticated C++ mathematical models, focusing on risk-reward calibration and system efficiency.
  - Conduct rigorous time-series analysis to optimise performance and automate development workflows.
  - Utilise Python for data-driven modelling to enhance fairness, stability, and engagement of complex systems.

Push Gaming
Junior Games Mathematician
May 2023 - Dec 2023
  - Designed and validated the statistical core of online applications using Java, ensuring mathematical integrity and robustness.
  - Streamlined analytical workflows using advanced Excel functions, significantly improving efficiency.

- Iterated on existing methodologies to establish a more rigorous, data-centric development process.

Education

University of Warwick
BSc (Hons) Mathematics, First Class Honours
Relevant Coursework: Mathematical Finance, Mathematical Modelling, Stochastic Processes, Markov Chains
, Game Theory

King's College London Maths School
A-Levels: Mathematics (A), Further Mathematics (A), Physics (A)*

Leadership Experience
  - President, Warwick Pride Society - Led stakeholder coordination and organised large-scale events, demo
  nstrating strong communication and leadership skills.
  - Sergeant, RAF Air Cadets - Demonstrated leadership, discipline, and high performance under pressure.