John (Jack) C. Remmert

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EXPERIENCE

New York Mets
Business Intelligence Associate
Feb 2020 – May 2020

- Predicted Ticket Sales using Machine Learning methods such as Random Forests and Gradient Boosted Models in Python with scikit-learn to influence revenue forecasts, supply chain of concessions, and labor scheduling
- Built and maintained databases in SQL via REST APIs to track and evaluate merchandise sales
- Designed an Employee Project Reporting Dashboard in Tableau that visualizes the status of BI projects for increased collaboration throughout the organization
- Created Postgame Surveys to enhance our Strategic Marketing and Client Experience Practices
- Developed a dashboard for Sales Reps and Managers detailing Show Rates and Transfer Rates of various Ticket Types based on Promotions, Buyer Types, and Suppliers

Southampton Football Club
Data Analytics Intern
Aug 2018 – Aug 2019

- Supported First Team, Academy, and Recruitment Analysts in analyzing player, team, and league technical and tactical trends
- Implemented Machine Learning methods in R to calculate player ratings, project player's performance in new leagues, and identify different playing styles of Strikers
- Web-scraped Transfer Market data to identify financial and demographic trends between teams, leagues, and nationality, which was then presented to the Director of Football, Senior Scouts, and Analysts
- Created R Shiny applications for the First Team and Academy Staff on Set Pieces, showing where the ball is kicked, shot location, and second contact, and on Possession, showing frequent combinations between players, average distance, and direction of passes

Franklin Templeton Investments
Research Associate
Jan 2018 – July 2018

- Securitized Products Research Associate and Trader focused on ARMs, CMOs, and CMBS markets
- Created a Random Forest model to predict ARM pre-payment speeds, which provided a competitive advantage versus the Street's projections in finding suitable securities
- Developed VBA procedures that automated Daily Market emails and monthly Performance Presentations, which were then presented to Senior Portfolio Managers within the team
- Analyzed current dealer inventory of CMO products to provide insight on collateral and structure for arbitrage opportunities

Franklin Templeton Investments
Futures Associate
July 2016 – Dec 2017

- Middle Office Group: assisted in a Strategic Initiatives project, designed new Client Statements, set-up workflow procedures, and other ad-hoc projects
- NY Fixed Income: built templates to analyze client portfolios, helped construct client decks, and researched potential for cryptocurrencies in portfolios
- Portfolio Solutions: created custom hedge fund portfolios for clients, presented to existing clients their current portfolio(s), and researched current and future market forecasts to determine portfolio weights
- Securitized Products Group: assisted with ARMs and CMBS research, cash projections, and helped execute trade entry

EDUCATION

University of Chichester
MSc Sports Analysis
September 2018 – May 2019
Graduated with Distinction

Hobart College
B.A. in Mathematics and Economics
September 2012 – May 2016
GPA: 4/4.0

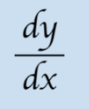## SKILLS

Python

SQL

R

Tableau

Machine Learning

VBA

Probability Theory

Portfolio Analysis

Differential Equations

REFERENCES

John Morris
Director of Business Intelligence
New York Mets
jmorris@nymets.com

Ian Torrance
Senior Recruitment Coordinator
Southampton FC
itorrance@saintsfc.co.uk

AWARDS & MEMBERSHIPS

Sigma Chi Fraternity, *Alpha Alpha Chapter,* Life Loyal Sig Award - 2016
Phi Beta Kappa, 2016
Mathematical Association of America, 2016