

Reuben Russell

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EDUCATION

University of Bath, MMath Mathematics *September 2016 - June 2020*

- Predicted Grade: First-Class Honours, current average 93.9% (top in year of 300)
- Focus in Applied & Computational maths, Numerical Analysis, Probability and Statistics with significant coursework in R, Matlab, Functional programming (Haskell).

Austin Friars

September 2008 - June 2015

- A Levels: Maths (A*) Further Maths (A*) Physics (A*)
- GCSEs: 10 A-A* including English and Maths
- Awards: Scholarship for highest academic attainment in year, competed in the British Mathematical Olympiad 2015

WORK & LEADERSHIP EXPERIENCE

Insight Program, Investec

September 2018

- Gained unique insights into investing including portfolio management, risk mitigation and equity research
- Shadowed team managing £1.5B assets under management developing tailored portfolios for high net worth individuals
- Participated in divisional activities: equity analysis, stock pitches, portfolio construction

Tutor, Private and University of Bath

December 2016 – June 2018

- Grew network of over 20 active clients through self-promotion
- Successfully taught for 10 hours a week while maintaining excellent academics
- Maintained up to date client development log to aid long term academic strategy tailored to needs of individual students
- Oversaw workshops of up to 40 undergraduates, created additional teaching material and coordinate with management

PROGRAMMING & PERSONAL PROJECTS

Languages: Python, C++. Knowledge of Haskell, Matlab, R, SQL, Git, LaTeX, HTML, Javascript

Quantopian Trading Bot

August 2018 - Present

- Created a bot in python to trade options based on Black-Scholes pricing strategy
- Gathered live data from several websites through API access and webscraping HTML code
- Automated trades with Quantopian API sending HTML requests using JSON objects
- Implemented unit testing and independent backtesting to improve code reusability
- Implemented tkinter GUI for multiple thread handling to allow background trading

Beat Detector

June 2018 – August 2018

- Used Discrete Fourier Transform and developed a novel dynamic sample size algorithm using numerical analysis to reduce instability for volatile data
- Implemented numpy suite to improve runtime for large datasets by over 55%
- Placed 1st out of 15 entries for accuracy and efficiency

ACTIVITIES & INTERESTS

Treasurer of philosophy society: Responsible for managing finances of 300+ member society, coordinating with committee members to create events and generate revenue

Certified paraglider with over 50 flight hours