Benjamin Aw
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Summary

Currently a data analyst with the Ministry of Manpower. Graduated from NUS Mathematics with a B.Sc (Hons.) majoring in Quantitative Finance. A good team player with a bubbly character with a passion for mathematics, statistics and coding. Seeking opportunities to learn and develop new skills while generating business value for the company.

Education

National University of Singapore   2014-2018

• B.Sc (Hons.) in Quantitative Finance, CAP: 4.28/5
• Coursework in: Statistical Modelling, Option pricing, Risk Management and Mathematical/Statistical Finance.
• Thesis: "Pricing of Timer Options using Monte Carlo simulations". | Advisor: A/P Tan Hwee Huat

Meridian Junior College   2010-2011

Ngee Ann Secondary School   2006-2009

Experience

Ministry of Manpower   2018-
• Data Analyst
  ▪ Collaborated with Business Users and IT team to deploy machine-learning model into production.
  ▪ Developed text analytics models to reduce the number of manhours required to sieve through relevant comments.
  ▪ Took on the roles of Project Manager and Lead Data Analyst to drive a team of 4 to create a predictive model for inspectors to do more targeted inspections.
  ▪ Created scripts to help improve business process for various departments, including using Selenium to scrap web data to analyze sentiments on various companies with Python.
  ▪ Conducted technical, hands-on workshops for middle managers and staff level MOMers.

CCA

NUS Investment Society   2016-2017
• Researcher under the Quantitative Finance Department
  ▪ To explore quantitative investment and algorithmic trading strategies by applying mathematics, statistics and computing.
  ▪ Researched and tested the use of time-series models (ARIMA/GARCH) to integrate into algorithmic trading to predict future stock returns and to see if any future improvements can be made.
  ▪ Presented ideas and findings about the financial markets to the rest of the society.

Interests / Activities

Online Certifications   2018
- MySQL boot camp
- Machine learning with Python
- Python for financial analysis and algorithmic trading
- Deeplearning.ai courses by Andrew Ng

Computer Skills

- Programming skills using Python, R, MATLAB, Java and VBA
- Version control systems using Git
- General computer skills like Microsoft office
- Proficient in documentation preparation system, LaTeX

Volunteer Experience

- Visited an orphanage in Malacca with the Meridian Junior College choir
- Do Blue project in Meridian Junior College
- Volunteer work with lion befrienders club with MOM