SAMUEL NATHAN LAWRENCE

FINANCE SPECIALIST | SOFTWARE ENGINEER

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Legally authorized to work in the UK.

PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS

QA Software Engineer ♦ TEACHER BOOKER   06.2020 – Current

- Responsible for creating automation test scenarios using Gherkin reference, executing tests on cypress for different browsers, and investigating reasons for execution failure with the automation dev/QA.
- Moved cypress core app auto test coverage from 20% to 95%, ensuring all major user journeys are accounted for which resulted in a decreased need of app breaking bugs fixes by 40% and increased number of feature led deployments by 80%
- Created a data driven framework in collaboration with user data to ensure critical features had more comprehensive testing
- Led product development by managing tasks required to successfully launch new features in addition to developing business plans in conjunction with stakeholders as well the clients.

Corporate Development Assistant Relationship Manager ♦ VICTORIA MUTUAL   01.2020 – 06 .2020

- Spearheaded the development of risk management dashboard to track the performance of automated credit decisions and new strategy implementation.
- Provided data analysis and portfolio stratification across the entire credit risk portfolio in support of capital modelling and credit risk reporting.
- Consulted Lenders and Credit Executives as necessary and worked with Loan Services to ensure loans were funded in a timely and compliant manner.
- Monitored the portfolio performance of 20 different lenders representing £30M in outstanding loans
- Identified growth opportunities through the evaluation and approval of exceptions outside of standard underwriting guidelines

Management Trainee ♦ MAYBERRY INVESTMENTS   08.2018 – 01.2020

Gained exposure to asset management, risk management, compliance, research, treasury, trading and investment banking during rotations within this full service financial advisory and brokerage firm:

- Scrutinised financial statements to advise on local stock buy / sell prices using various valuation techniques while creating models to track bond / stock prices from diverse industries.
- Played a key role as part of Wigton Windfarm Initial Public Offering (IPO); gained knowledge of IPO due diligence as well as associated legal, accounting and reporting system requirements.
- Managed $5BN Jamaican dollars (JMD) - (£23,345,093 equivalent) fixed income portfolio funding operations and providing safe returns to Investors.
- Collaborated with a multifaceted team to utilise python skills to mitigate bond portfolio convexity / duration risk.
- Played a key role in autotomising administrative functions making processes up to 30% more efficient using VBA & python

External Auditor intern ♦ KPMG   05.2017 – 08.2017

- Managed audits and drafted 15 reconciliations for supplier accounts while creating financial reports.
- Assessed risk management projects related to security, identity management, change controls, monitoring, threat detection, vulnerability assessment and incident response based on various frameworks.
- Identified high-risk areas and developed mitigation plans alongside senior-level stakeholders.
- Worked with SAP security audit management to validate Business processes and develop audit methodology for risk key in scope controls.

Financial Analyst Intern ♦ BCW (HEDGE FUND)   05.2016 – 08.2016

- Evaluated potential capital projects to determine key metrics such as cash flows, payback period, NPV and ROI
- Performed cost accounting functions of month end closing as well as extensive account level analysis for actual/forecast variance explanations
- Initiated and developed policy and procedures to enhance work processes, promote internal controls and SOX compliance.
- Modelled anticipated deposits to determine how schedule deviation impacted forward looking financials

Data Analyst Intern ♦ MAYBERRY INVESTMENTS   05.2015 – 08.2015

- Quickly and accurately synthesised substantial data; maintained attention to detail to ensure financial statement data integrity.
- Prepared and delivered strategic presentations having utilised strong research and analysis skills.
- Aided strategic decision-making having created sales reports based on market trends / conditions and sales performance.

- Served as the main liaison between customers, management and sales team.
- Built long-term customer relationships and advised customers on purchases and promotions.
- Ensured superior customer experience by addressing customer concerns, demonstrating empathy and resolving problems on the spot.
- Investigated and resolved customer inquiries and complaints in a timely and empathetic manner.
- Assisted in creating pre-season marketing plans to support department and divisional strategies.

Education and Qualifications

Bachelor of Arts, Finance ♦ San Diego State University, California, USA   2014 – 2018

Built knowledge of financial markets / analysis, risk management and modelling, managerial economics and econometrics, quantitative analysis and portfolio theory while studying financial institutions management and working capital management

Personal Projects

Jamaica Stock Exchange Quantitative Dashboard ♦ Project- Link

With the use of financial functions in python, produced a quantitative model to analyse stocks on the Jamaica Stock Exchange and provided insights on the returns/price movements over time.

Twitter Stock Sentiment Classifier ♦ Project - Link

Through the use of Natural Processing language libraries, built a model that would curate tweets about particular stocks and provide analysis on the general sentiment of buyers' thoughts and positions on the stock.

Financial Analyst Salary Classifier ♦ Project - Link

Used a web scraper to collect data from glassdoor's website about different financial analysis positions that were being offered. A model was then built on the collected data to predict the salary of the various positions given the different parameters provided

Quantitative Algorithmic trading bot ♦ Project - On Request

Using python, executed orders using automated pre-programmed trading instructions accounting for variables such as time, price, and volume and other. Because of the sensitivity of this project it is only available on request.

My portfolio of projects can be found on my website at: samuel-lawrence.co.uk

Programming Languages/Frameworks

Programming Languages: Python, SQL, VBA, R, Javascript, Typescript: **Data Science Libraries**: Pandas, Scikit-Learn, Keras, NumPy, TensorFlow, PyTorch, TextBlob **Web Scraping**: Selenium, BeautifulSoup4, Scrapy, **WebDeb:** Streamlit, Flask, Chalice **Other:** Matplotlib, NLTK, Seaborn | **Javascript:** React, Node JS, Cypress, Gherkin, Postgres | Bloomberg Terminal. Github - https://github.com/SamuelLawrence876