Izzat Ghuneim

Investment Associate

Confirmed for Permanent Residency – Relocated to Toronto

168 Simcoe Street, Suite 215
Toronto, ON, M5H 4C9

+1 647-657-7477

izzatghuneim@gmail.com

www.linkedin.com/in/ighuneim

Profile

A qualified and results-driven investment professional with skills and experience gained in Finance, Mathematics, Engineering, Statistics, and Technology.
Holds an M.S. in Mathematical Finance with a background in Industrial Engineering as well as possessing an in-depth operational knowledge of financial markets. Speaks fluent Arabic and English and currently learning French.
Innovative, resourceful, and highly analytical, generates optimal results in with a positive work ethic, energy and desire to continually build on success.

Core Competencies

- Effective interpersonal and communication skills
- Proven multitasking ability
- Able to delegate tasks effectively
- Skilled in delivering presentations/pitches
- Confident to anticipate and manage change
- Able to work under time pressure
- Team player as well as effective team leader
- Organizational and problem-solving skills

Technical Competencies

- Quantitative Data Analysis
- Derivative Pricing
- Linear/Logistic Regression
- Machine Learning Techniques
- Algorithmic & Quantitative Trading
- Stochastic and Statistical Abilities
- Portfolio Optimization
- Asset Allocation

Key Career Achievements

- **L&C WFL LLC;** participated in brokering the supply of food and beverages to a potential Prime Vendor contractor for the US Defense Logistics Agency's Prime Vendor Subsistence Program in Kuwait, Iraq, Jordan and Syria with a value of approx. 1.4 Billion US Dollars
- **Kuwait Life Sciences Company;** instrumental in the acquisition of a medical event organizing company for an undisclosed price – based on DCF and CCA analyses, valued the company between 820,000 to 1,055,000 US Dollars
- **Wainwright Investment Counsel;** researched and proposed a re-allocation of the target client's Regional Portfolio of the Gulf Cooperation Council (GCC) to have a maximum of 10% weight towards a mixture of GCC and Emerging Market funds and the rest to more moderate Global funds in order to meet their target standard deviation range of 7.5%-13.5%

Career History

ALGHANIM INDUSTRIES, Sharq, Kuwait   June 2019-Aug 2020
Financial Analyst
Responsibilities:
- Monitored Honda Dealership's foreign exchange exposure, ensuring that expectations are met
- Consolidated flash reports and receivables ageing reports for all BUs; explained monthly variations in the BUs' P&L accounts and prepared concise presentations for the executive management team
- Modeled Honda's Motorcycles and Power Products new sales and after sales budgets for 2020 in accordance with the operation's corporate strategy
- Realized savings in selling, general and administrative expenses of around 100,000 Kuwaiti Dinars

L&C WFL LLC, Los Angeles, CA   September 2017-December 2018
Business Research Analyst
Responsibilities:
- Showcased suppliers to potential clients during the deal making stage while developing and maintaining relationships between parties
- Evaluated different processes in the value stream and provide insightful information to increase value
- Proposed an effective financial reporting methodology and template for all sales commission proceeds

MALCOLM PATRICK CORPORATION, New Rochelle, NY   May 2017-December 2017
Value Engineer
Responsibilities:
- Proficiently compiled historical estimates from previously bidden projects into spreadsheet for more accurate future construction estimates
- Supervised on-site quality and safety of project with strong understanding of takeoff readings and specifications; awarded 1.9 Million US Dollars spray paint booth installation with the Metropolitan Transit Authority (MTA)

WAINWRIGHT INVESTMENT COUNSEL, Boston, MA   June 2016-August 2016
Portfolio Analyst
Responsibilities:
- Expertly structured a comprehensive list of ethical-compliant funds using extensive Morningstar database for the client's needs
- Initiated fund rank system based on Sharpe Ratios and manager tenure - discovered funds had insufficient data due to short track records
- Constructed Monte Carlo Simulation for Gulf Cooperation Council's (GCC) portfolios of funds using Excel VBA; recorded 1,000 iterations of compound annual returns, standard deviations, and maximum drawdowns over a seven-year period

KUWAIT LIFE SCIENCES COMPANY, Sharq, Kuwait   June 2015-August 2015
Ventures Analyst
Responsibilities:
- Pioneered deal flow tracking of over 60 start-up companies for potential funding; performed quantitative analyses on target firms
- Studied total addressable market of target firms for acquisition by researching size of customers interested in services and products
- Acquired Kuwait Universal Group, a medical event organizer for an undisclosed price

B&S INTERNATIONAL B.V, Dordrecht, Netherlands   June 2013-August 2013
Operations Analyst
Responsibilities:
- Developed project guidelines for larger scale distribution contracts and crafted operational instructions for wholesale distribution of food and beverages to Afghanistan for the US military
- Constructed Excel workbook consisting of all procedural aspects including commercial, operational, financial, and legal systems; improved on-call NATO Rapid Response Forces supply network

Projects

Boston University, 2015-2016
Predictive Analysis of U.S. Stock Growth Project (R)
Inspected dataset by running initial linear regression to assess explanatory variables; executed LASSO/Ridge regression mix to reduce prediction variance and considered Random Forests and Deep Neural Networks for more accurate predictions; selected final regressive and categorical models on basis of minimal mean-squared error and prediction accuracy respectively
Shout Option Analysis Project (MATLAB)
Derived pricing formula for American shout call option with presence of dividends under Black-Scholes-Merton framework; described optimal exercise regions and derived early exercise premium representation for option price and integral equation for exercise boundaries; implemented numerically plot of option price and boundaries with defined exercise and continuation regions
Merton's Multi-Asset Problem Project

Researched optimal consumption and investment strategy for portfolio of multiple risky assets and one riskless asset without transaction costs; formulated the Hamilton-Jacobi-Bellman (HJB) equation for this optimization and transformed portfolio of correlated risky assets to synthetic portfolio of uncorrelated assets via matrix diagonalization; Included proportional transaction costs to the problem, and derived no-trade, buy and sell regions for different risky assets as trading beyond optimal boundaries results in loss of utility

Order Book Management System and Monte Carlo Pricing Project (C++)
Engineered order book application to simulate receipt and execution of orders; built application utilizing Black-Scholes-Merton model which computes option prices along with Greeks and put-call parity check; constructed Monte Carlo pricing simulation to numerically compute option prices using data realizations based on Geometric Brownian Motion

Pairs Trading Model Development Project (MATLAB)
Engineered optimal trading speeds and inventories in feedback form and simulated 1,000 sample paths of price processes and optimal trading strategies; observed that with a high running penalty, stock ownership decreases, thereby decreasing the risk and reward; analyzed mean-reversion rate and realized "negative parabola" risk-reward profile

Black-Litterman Optimization Project (C++)
Implemented Black-Litterman optimization approach to compute optimal portfolio allocations adjusted for input views of relative asset performance; simplified program to read stock price matrix, relative asset view matrix and view-adjusted returns as input variables

Purdue University, 2015

Hedging Strategy of Diesel Price Risk Exposure Project
Examined Bennet Hughes Productions' (BHP) diesel fuel risk exposure; calculated volatility and price (Black Scholes) with 95% Confidence Interval for monthly diesel price; employed long call-short put options hedging strategy, dependent on diesel fuel risk exposure, and chose strike price to minimize total cost

Couplers Validation of Current Cycle Times
Evaluated time study data across all Wabash National Corporation's coupler workstations using the Zeta Cell Time Study Methodology; recommended work station design improvements and revised best practices standards for efficiency gains; exercised project management methodologies to ensure strong front-end planning and sufficient delegation of tasks throughout the couplers value stream timeline

Education

January 2017; **Boston University, M.S. Mathematical Finance** (GPA 3.3)
Relevant Courses: Fundamentals of Finance, Statistical Methods, Fixed Income Securities, Stochastic Optimal Control and Investments, Advanced Derivatives, Algorithmic and High Frequency Trading, Advanced Computational Methods, Portfolio Theory

May 2015: **Purdue University, B.S. Industrial Engineering; Minor: Economics** (GPA 3.5)
Relevant Courses: Probability and Statistics, Financial Mathematics, Macroeconomics, Investments Management, Simulation Analysis
Honors: Semester Honors four semesters, Dean's List one semester

Technical Skills

MS Office Suite: Word, Excel/VBA, PowerPoint, Publisher, Outlook
Bloomberg, Hyperion Financial Management, Python, R, MATLAB, C++, Mathematica, MiniTab, Arena

Other

2008/2009: **Duke of Edinburgh Award;** Accomplished and Awarded Bronze and Silver levels

Languages

Fluent: English & Arabic
Conversational: French