MICHAEL ZHENG

Mathematics/Financial Analysis and Risk Management (FARM) and Statistics

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EDUCATION

B. MATH, HONOURS FARM AND STATISTICS DOUBLE MAJOR – University of Waterloo   Sep. 2018– Apr. 2023

Relevant coursework:
- Financial Mathematics (discount/interest rates, annuities, sinking funds, mortgages and bonds, yield rates)
- Financial Accounting (accounting cycle, bank reconciliations, time value and investments)
- Business in North America (SWOT analysis, marketing mix, operations and financial management)

Skills and Interests:
- Technical: SQL, VBA, Excel, Word, Powerpoint, Python, R, C, HTML, CSS, Javascript, JIRA
- Interests: stock trading, FinTech, coding/hackathons, music, competitive swimming, badminton, travelling
- Certifications and Awards: Pursuing CFA Level 1 and PRM designation, Bayesian case compeition finalist (4th place)

WORK EXPERIENCE

INCOMING BUSINESS ANALYST – Toronto Dominion (TD) Bank   Jan. 2020 – Apr. 2020
- Accepted offer in November 2019
- Working on the equity derivatives team to ensure stakeholders requirements will be met with technological solutions
- Will be in charge of market research to ensure the delivery and interpretation of industry analysis

DATA COLLECTION ANALYST – TritonWear   May. 2019 – Aug. 2019
- Responsible for the collection, annotation and analysis of swim data using annotation tools and Python scripts
- Used Trello's REST API to create project management tools to track each employer's projects and work completed
- Implemented a video processing script using Python that decreased processing data time by 52.6%

WEAPONS TECHNICIAN – Department of National Defense (DND)   Jun. 2017 – May. 2019
- Maintained weapons to a high degree, exceeding the standards of the Canadian Armed Forces
- Exceptional teamwork, leadership, and perseverance from exposure in the military while balancing university
- Demonstrated efficiency under high stress situations by devising plans that played into the strengths of all teammates

LEADERSHIP EXPERIENCE

MARKET RESEARCH ANALYST – FARM Student Association (FARMSA)   Sep. 2019 – Dec. 2019
- Researched and wrote financial market articles for the monthly FARMSA newsletter using Bloomberg and Reuters
- Presented market commentaries and financial seminars biweekly to an audience of students

FINANCE ASSOCIATE – University of Waterloo Ascend Chapter   Jan. 2019 – Apr. 2019
- Responsible for fund pitching, sponsorship and the termly operating budget surplus
- Developed relationships with established individuals in the business and finance field

PROJECTS

STOCK TRADING – Questrade/Wealthsimple Trade   Jan. 2019 – Present
- Built a diversified financial portfolio, including stocks, ETFs and mutual funds from North American markets
- Achieved a 25% return in 10 months by trading short term options using the covered call strategy

PERSONAL WEBSITE – michaelzheng.me   Jul. 2019
- Developed a responsive website to display basic personal information, achievements and current resume
- Created using HTML, CSS, JavaScript, Bootstrap and Google Analytics

NBA REDDIT BOT – TOHacks   Jun. 2019
- Automated bot that posts game statistics on all NBA players whenever the name is mentioned on Reddit
- Created with Python using PRAW (Reddit API), NBA API, pandas and requests libraries

BUSINESS PLAN – OneKey   Oct. 2018 – Nov. 2018
- Wrote a mock business plan with a team and contributed market analysis, competitor analysis and financial needs
- Achieved a top 5% award overall for best startup business plan