Ziyao (Wayne) Wang

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Education Background

Columbia University — **New York, United State**
Master of Science in Enterprise Risk Management — **Aug 2021 - Aug 2022**
- **Relevant Courses:** Quantitative Risk Mgmt., Operational/Financial/Derivative Risk Mgmt., ERM Modeling, Tools for Risk Mgmt., Coding for Risk Mgmt., Data Analysis with Python

Wilfrid Laurier University — **Waterloo, Canada**
Honors Bachelor of Business Administration & Bachelor of Sci. in Computer Science (Double Degree) — **Sep 2016 - Nov 2021**
- **Relevant Courses:** Investment Mgmt., Finance I&II, Operation Mgmt., Machine Learning, Data Structure, Managerial Statistics, Software Engineering, Database Mgmt., Windows Application Programming
- **Awards:** Dean's List for 5 years, WLU Entrance Scholarship, President's Gold Scholarship, Finalist of Consulting Case Competition

Work Experience

Metro Supply Chain Group — **Toronto, Canada**
Supply Chain Data Analyst - Co-op — **Aug 2020 - Dec 2020**
- Extensively involved in all phases of data collection, cleansing, model development & validation, and visualization in order to deliver database solutions based on data extracted from the VENA ETL system
- Designed the hierarchy for financial and labor data and organized the databases using SQL, then used Power BI to visualize them for reporting
- Conducted root-cause analysis to identify data quality issues arise during the transition from old to new models and develop sustainable solutions
- Documented operational and financial teams' business requirements using concise language in accordance with the methodology framework

Sun Life Financial — **Toronto, Canada**
Business Analyst - Co-op — **Aug 2019 - Dec 2019**
- Collaborated with network engineers, the operations team, the product manager, and the business analyst to automate business processes with VBA and Python, as well as collect business requirements for implementing new servers, a data warehouse, and a network security system for the new Hong Kong branch. Tested the local IT equipment and monitored and analyzed project deliverables to ensure they were actionable
- Consulted with vendors, Cisco and Steelhead, for WAN optimization solutions. Delivered a presentation and recommendation on pursuing Cisco system. Convinced the supervisor to implement the proposal
- Managing the development, tracking, reporting, and forecasting of Business Development Operational Projects and Activities
- Hosted daily and weekly Agile meetings, sprint planning, review, and retrospective meetings in collaboration with the SCRUM Master

CRH Canada Group Inc — **Toronto, Canada**
Financial Analyst - Co-op — **Jan 2019 - Apr 2019**
- Leveraged advanced analytical skills to financial data investigations and reconciliations; created calculation fields in Excel pivot table using Table Calculation and Aggregate functions for data visualization
- Performed SOX compliance, cash flow management, P&L report preparation, and material costing estimation, as well as investigating and validating data across the SAP platform and uploading journal entries
- Collaborated with internal product teams to price products based on component unit costs and issued invoices or payments to clients
- Prepared daily and monthly production and cash collection reports for the treasury and manufacturing teams

Ontario Teachers' Pension Plan — **Toronto, Canada**
Business Analyst - Co-op — **Apr 2018 - Aug 2018**
- Perform data extraction and run data integrity checks on stock ticker information extracted from financial Systems and/or Data Warehouses for use in risk management modeling software
- Assist on a regular basis in defining requirements, standardizing, and automating data transfer and reconciliation processes, in order to improve data management processes such as Bloomberg up/download processes
- Developed valuation model and database test plans, tested them, and provided supporting documentation to ensure completeness and accuracy
- Identify historical pricing issues for the investment portfolio in close collaboration with senior business analysts. When data indicates a problem, provided consulting and problem-solving assistance to vendors

Project Experience

Risk Models using GRC systems with RSA Archer and Beacon Platform, *Columbia University* — **Apr 2022 - Aug 2022**
- Utilized RSA Archer to generate a risk dashboard for a simulated risk event, constructed a risk assessment questionnaire, populated risk data into the system, and then generated a report.
- Created a new instrument class in Beacon using the Python IDE, estimated volatility, implemented transaction tests and generated a report

Fixed Asset Change Request Approval Model Using Microsoft Flow, *CRH Canada Group Inc.* — **Mar 2019 - Apr 2019**
- Combined the MS Application, PowerApps, and Adobe applications, a paperless and automated workflow developed to improve the efficiency of asset acquisition. Delivered a presentation to persuade branch managers and CFO to enact the model.

Security Data Validation Tool Implemented by Excel with Bloomberg API, *OTPP* — **Jun 2018 - Jul 2018**
- Integrated SharePoint workflows and automated service call processing using VBA macro with SQL embedded to allow systemic update of hedge fund data to data warehouse. The process enabled spreadsheets to access the Bloomberg API and archive data.

Extracurricular Experience

Director of Marketing and Sponsorship — **Waterloo, Canada**
Wilfrid Laurier University Student Union Club—CISA — **Apr 2019 - Apr 2020**
- Provided strategic oversight and directions for upcoming events and sought sponsorships
- Contacted the Chinese Consulate General for support and led the distribution of supplies to 500+ students affected by the pandemic

Co-Founder / Director of Secretariat — **Waterloo, Canada**
Wilfrid Laurier University Student Union Club—CISA — **Apr 2017 - Apr 2019**
- Formulated club management policies and procedures and mediated relationships and conflicts between club members
- Led all recruitment and organizational planning initiatives to effectively support other internal functions

Technical Skills and Additional Information

- **Skills:** Advanced Excel (VBA, Index Match, Pivot Tables), SQL, Power BI, Python (sklearn, Pandas, NumPy, SciPy, Matplotlib), R (ggplot2, dplyr), Bloomberg, Stata, Tableau, Microsoft Applications, SharePoint, Beacon Platform, RSA Archer, JIRA, C/C++, SAS, Swift
- **Hobbies：** Cooking, Cat-sitting (Personally owned 3 cats), Road Trip, Fishing, Crafting