# Ziyao (Wayne) Wang

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## Educational Background

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| **Columbia University** | **New York, US** |
| *Master of Science in Enterprise Risk Management* | **Aug. 2021 - Aug. 2022** |

- **Relevant Courses:** Quantitative Risk Management, Operational/Financial/Derivative Risk Management, Coding for Risk Management, ERM Modeling, Tools for Risk Management, Data Analysis with Python

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| **Lazaridis School of Business & Economics at Wilfrid Laurier University** | **Waterloo, Canada** |
| *Honors Bachelor of Business Administration & Bachelor of Sci. in Computer Science (Double Degree)* | **Sept. 2016 – Nov. 2021** |

- **Relevant Courses:** Investment Management, Finance I&II, Operation Management, Machine Learning, Data Structure, Managerial Statistics, Software Engineering, Database Management, Windows Application Programming
- **Awards:** Dean's List for 5 years, WLU Entrance Scholarship, President's Gold Scholarship, Finalist of Consulting Case Competition

## Professional Experience

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| **Metro Supply Chain Group** | **Mississauga, Canada** |
| *Supply Chain Analyst - Co-op Internship* | **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 tables using SQL, improved the effectiveness of processes, and then used Power BI to visualize and automated them for reporting.
- **Conducted** root-cause analysis to identify data quality issues on both platforms and developed sustainable solutions.
- **Documented** operational and financial teams' business requirements using concise language in accordance with the methodology framework.

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| **Sun Life Financial** | **North York, Canada** |
| *Business Analyst - Co-op Internship* | **Aug.2019 – Dec.2019** |

- **Facilitated** daily and weekly Agile meetings, sprint planning, review, and retrospective meetings in collaboration with the SCRUM Master.
- **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 an internal presentation and recommendation on pursuing Cisco system. Persuaded the supervisor to enact the proposal.

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| **CRH Canada Group Inc** | **Concord, Canada** |
| *Financial Analyst - Co-op Internship* | **Jan.2019 – Apr.2019** |

- **Collaborated** with internal product teams to price products based on component unit costs and issued invoices or payments to clients.
- **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.
- **Prepared** daily and monthly production and cash collection reports for the treasury and manufacturing teams.
- **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.

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| **Ontario Teachers' Pension Plan** | **Toronto, Canada** |
| *Business Analyst - Co-op Internship* | **Apr.2018 - Aug. 2018** |

- **Streamlined** the Bloomberg up/download process by implementing data validation checks to ensure data integrity.
- **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.
- **Standardized** various internal data transfer and reconciliation processes by creating process documentations.

## Project Experience

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| **Risk Models using GRC systems with RSA Archer and Beacon Platform,** *Columbia University* | **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.

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| **Fixed Asset Change Request Approval Model Using Microsoft Flow,** *CRH Canada Group Inc.* | **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.

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| **Security Data Validation Tool Implemented by Excel With Bloomberg API,** *OTPP* | **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

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| **VP of Marketing** | **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

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| **VP of Secretariat** | **Waterloo, Canada** |
| *Wilfrid Laurier University Student Union Club—CISA* | **Apr. 2018–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:** Microsoft Applications, Advanced Excel (VBA, Index Match, Pivot Tables), Bloomberg, Stata, Power BI, Tableau, SharePoint, Beacon Platform, RSA Archer, JIRA, Python (sklearn, Pandas, NumPy, SciPy, Matplotlib), C/C++, SQL, R (ggplot2, dplyr), SAS, Swift
- **Hobbies：** Cooking, Cat-sitting (Personally owned 3 cats), Road Trip, Fishing, Crafting