

Lingfeng (Mike) Yang

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WORK EXPERIENCE

Business Intelligence Developer - Coop | *DataTech Consulting Services* | Toronto, Ontario, CA **January 2023 – Present**

- Implemented data extraction, validation, transformation, and loading processes from staging area to data warehouse, data marts, and data presentation area for 10M+ rows of data with Microsoft SSIS.
- Designed, developed, and deployed 4 custom reports graphing and reporting employee performance data using SSRS tools.
- Developed two SSIS ETL packages to load and migrate source data into the staging database and working environments along with data cleansing and data mapping.
- Automated 5+ SQL procedures to streamline data integrations across the organization; Conducted unit testing and integration testing of existing SSIS packages

Business Analyst | *PyCap Venture Partners* | Toronto, Ontario, CA **September 2021 – August 2022**

- Conducted market research, financial and risk assessment, and due diligence to verify the value and potential growth of 15+ early-stage startups applying for the Canadian Entrepreneur VISA program.
- Examined business marketing, pricing strategy, financial statements, credibility, and projected runway for actionable financial and strategic investment solutions on behalf of applicants.
- Interviewed second-round applicants about the business plan, future roadmap, and feasibility.
- Created research reports summarizing the business plan, economic advantages, and founder(s) background, submitted to the Government of Canada on behalf of eight (8) successful applicants for the entrepreneur VISA program recommendation.

Business Analyst Intern | *DHL Express Canada* | Brampton, Ontario, CA **May 2019 – Dec 2019**

- Automated data extraction and report generation process by developing Excel macros to aggregate multiple CSV data files, resulting in streamlined workflow and time-saving work by 70%.
- Constructed a data pipeline connecting shipment managers' performance data with the engineering team for KPI monitoring across various locations using auto-updating weekly and daily ad-hoc dashboards, leading to increased facility efficiency and reduced operational anomalies.
- Led the development of a shipment forecast model at the national and facility level; aided and advised multiple facility managers in preparation for incoming peak season volume and acquisition of additional driver contractors.
- Cooperated with regional managers to improve the efficiency of delivery routes and facility workflow by optimizing process maps, resulting in 30% reduced work time per parcel.

EDUCATION AND PROFESSIONAL TRAINING

University of Toronto | *Bachelor of Business Administration* | Toronto, Ontario **Sept 2016 - April 2022**

- Information Technology Specialist; **Minor degree in Statistics**
- Relevant Coursework: Regression Analysis, Probability & Discrete Mathematics, Software Design, Software Engineering, Systems Programming, Business Data Analytics, Strategic Management Seminar, Private Equity, Derivative Markets, Risk Management

Victoria Toronto Training Center | *Microsoft SQL Server SSMS Training* | Toronto, Ontario **Sept 2022 - December 2022**

- The training course focused on translating data from sources into OLAP-DW (Data Warehouse) with ETL Tools (SSIS)

Singapore Management University | *Exchange Semester* | Singapore **Jan 2020 - April 2020**

- Capstone project: Created implementable public transport scheduling and services solution for HERE Technologies to alleviate traffic congestion in the regions of Manila and Singapore

SKILLS

- **Programming Languages:** Python (e.g., pandas, NumPy, Matplotlib), R, Java, SQL, C
- **Data Analysis:** Excel (e.g., VBA, macros), Jupyter, Google BigQuery
- **Visualization:** Tableau, Power BI

- **Other Technologies:** MongoDB, Neo4j, Docker, Flask, Jira

PROJECTS

Salary Estimator ([Github](#))

October 2022 - November 2022

- Scraped 1000 job postings from Glassdoor using Python to collect data on salary estimates, skill requirements, and company information.
- Developed an automated Python program to clean and parse raw job posting data, creating formatted and usable data for analysis and model building
- Conducted exploratory data analysis to discover distributions of estimated salary ranges and salary trends based on various factors, such as the company's industry

Google Capstone - Bellabeat ([Github](#))

September 2022 - October 2022

- Created a data pipeline using Google BigQuery and Tableau to help business requirements, denoting the complete data life cycle
- Collected and cleaned 18 raw data tables on BigQuery using custom SQL queries
- Generated visualizations and Tableau dashboards showing product trends and user habits

Regression Analysis ([Github](#))

January 2022 - April 2022

- Conducted data analysis on Seoul's public rental bike service to generate insights on hourly demand
- Created a linear regression model based on data to learn the impact of variables and predict demand
- Performed optimization methods such as cox-box transformation and stepwise elimination to increase R-squared from 0.5504 to 0.8511