

WEIHAN (WILLOW) WENG

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PROFESSIONAL SUMMARY

With 4 years of analysis experience and over 2 years in project management. Expertise in financial modeling, financial ratio analysis, statistical modeling, machine learning, A/B testing, data visualization, ETL process, and supply chain management. Proficient in integrating resources and leveraging data to perform in-depth strategic analysis and drive business decisions.

WORK EXPERIENCE

IM Global LLC

Chicago, IL

Business Analyst

December 2024 - Current

- Assessed dispatch metrics, including pickup duration and associated costs, to uncover inefficiencies and cut waiting costs by 10%.
- Applied SQL and created Power BI dashboards to assess vendor performance based on delivery quality and lead time, identifying optimal solutions that ensured timely shipments to last-mile delivery providers and reduced customer wait times by 2 days.
- Aligned consumable procurement with actual demand by leveraging machine learning algorithms (Time Series, XGBoost), EOQ, and Safety Stock to set optimal reorder points, keeping storage utilization below 5% and preventing stockouts.
- Optimized data entry, extraction, and reporting using Excel Macros, VBA, and Power Query, reducing manual work and errors.

University of Washington

Seattle, WA

Financial Data Analyst

June 2023 - May 2024

- Retrieved data from ERP system using SQL with 30% improved runtime efficiency to analyze financial metrics and identify risks.
- Leveraged advanced Excel functions (Pivot Table, VLOOKUP, Solver, etc.) to analyze historical data and generate appropriate financial forecasts and budget projections for 2024 under various scenarios in collaboration with cross-functional teams.
- Compiled GAAP-compliant financial statements and reports for FY24 and FY23 and worked with KPMG on the audit process.
- Automated quarterly Power BI dashboards with 10,000+ financial cases to support stakeholders in data-driven decision making.

UNeTech Institute

Omaha, NE

Project Manager; Venture Analyst

September 2021 - May 2023

- Participated in 10 innovative medical concepts and managed 3 strategic analysis projects using a hybrid Agile-Waterfall approach.
- Executed research across 20+ industries with a focus on retrieving regulations and analyzed internal company data to derive insights for inventions utilizing strategic analysis tools (PESTEL, VRIO, iSWOT, Strategy Canvas, Business Model Canvas, etc.).
- Formulated commercialization plans and presented findings for inventors, integrating 5C, 4P, and STP analyses, along with financial forecasts to project revenue and profitability over a defined timeline.
- Wrote 9 high level strategic reports and built 6 financial models (Net Present Value, Internal Rate of Return, Payback Period, etc.) for entrepreneurs, emphasizing market and financial risk with strategies aimed at reducing operational risk by 40%.

SELECTED PROJECTS

Profitability Analysis of Waybill Attachment

IM Global LLC | Jun 2025 - August 2025

Background: To cope with rising U.S. tariffs that caused customer attrition, a new Waybill Attachment service was launched. The Business Development Team asked to reduce operational costs, as the new business had not yet achieved satisfactory profitability.

Action: Built an ETL pipeline in Python to advance the data running efficiency, implemented a VBA-based CICO system to monitor workforce, and developed a Holt-Winters model to dynamically forecast monthly order volumes and optimize workforce allocation.

Operation and Test: Removed outliers and identified each worker's maximum daily waybill processing volume, and consolidated order and workforce data to build a dashboard for continuous monitoring of profit performance.

Result: Enabled dynamic workforce allocation, helping the company reduce monthly labor costs by nearly 30%.

Strategic Analysis - Syringe Startup

UNeTech Institute | January 2023 - May 2023

Background: A startup client with a novel syringe design sought Seed funding and entry into medical and veterinary markets.

Action: Led a team of five venture analysts in developing strategic plans through external and internal analysis, customer discovery, and multi-scenario financial modeling, providing insights to guide the client's market entry strategy.

Operation and Test: Developed a comprehensive report and presentation incorporating market entry opportunities, industry risk assessment, TAM/SAM/SOM segmentation, and multi-scenario revenue forecasts.

Result: Identified the invention's key strategic differentiators under a cost leadership approach, providing actionable insights that supported the client in successfully raising \$200K in Seed Round funding.

EDUCATION

University of Washington - Michael G. Foster School of Business

Seattle, WA

Master of Science in Business Analytics

June 2024

University of Nebraska

Omaha, NE

Master of Business Administration; Concentration in Risk Management

May 2023

Bachelor of Science in Business Administration

December 2021

SKILLS

Programming: Python (Pandas, NumPy, Scikit-Learn, PyTorch), SQL (MySQL), R, QBE, VBA, Power Query, JavaScript

Techniques: Regression, Clustering, Decision Tree, Time Series, Machine Learning, Classification, A/B Testing, ETL, NLP, etc.

Visualization: Tableau, Power BI, MS Excel (Pivot Table, TreePlan, etc.), Orange Data, JMP, Oracle Crystal Ball, XMind