

# Helen Zhou, MSc, PMP Candidate

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## HIGHLIGHTS OF QUALIFICATIONS

- Master of Computer Science and Supply Chain Management professional with 3+ years' experience in Data Science, Data Analysis and Visualization, Supply Chain Analysis, Software Development
- Hands on experience with Unit test, Integration test, Agile development, Scrum, Kanban, Windows, Linux
- Extensive knowledge of Python, JavaScript, SQL, Java, Azure, AWS, Power BI, Tableau, Git, JIRA, Postman, Microsoft Visio, Microsoft Office Suite (Word, Excel, PowerPoint)
- Project Management Professional (PMP) Candidate

## PROFESSIONAL EXPERIENCE

**Data Science and Supply Chain Analyst Intern | Miebach** (*Global Business Consulting Company*) 09/2023-05/2024

- Saved 400 hours/month by integrating Power BI into the React front-end framework, significantly elevating data visualization and decision-making efficiency in data analytics. For Eli Lilly (*global pharmaceutical company*)
- Saved 280 hours/month by automating ETL (Extract, Transform, Load) and data analysis of inventory and logistics data using APIs, Python, Power BI, and Excel. For Chedraui (*Global grocery retailers*)
- Led a team of 4 to develop and integrate Single Sign-On (SSO) with Azure-based Applications (SaaS solutions) for system security, enhancing user experience, increasing account security, and saving clients time by eliminating the need for multiple logins. For PVH (*global retail apparel and fashion company*)
- Developed an inventory management web app (cloud-based solution) to simulate global supply chain scenarios, refactor codebases, and implement on Azure using JavaScript (front-end) and Python (back-end), providing predictive models that assist clients in deciding on the optimal Material Handling Equipment (MHE). For ABInBev (*global manufacturing company*)
- Developed an ERP system for 500 employees to streamline operations in finance, supply chain, and HR in 9 North American and South American countries, functionalities including system configuration, management, integration and customization. For Miebach
- Generated \$2,000/month revenue by implementing Oracle SQL Developer stored procedure and functions using Python to process warehouse data, enhancing operational efficiency and presenting refined data insights on a Power BI dashboard. For Wurth (*global manufacturing company*)

**Distribution Intern | NFI** (*Global Supply Chain Solutions*) 05/2022-08/2022

- Saved \$30k/month by developing a proactive inventory management process that prevented supply shortages, material quantities tracking using SAP, best practices recognized by plant manager and shared across company
- Developed a Tableau dashboard which forecasted material needs and optimized inventory levels by developing a classification model including factors such as inbound and outbound logistics, inventory data, and material characteristics using Python
- Saved \$50k by preventing production line emergencies such as raw material contamination through QA/QC
- Prepared and presented weekly warehouse efficiency reports by conducting time studies, metrics development, tracking, and data analysis

## EDUCATION

**Concordia University** MTL, QC

Graduate Diploma in Computer Science | Files and Databases, Advanced Programming 09/2023-06/2024

**HEC Montréal** MTL, QC

Master of Science in Supply Chain Management | Data Science, System and Process Optimization 08/2021-05/2023

- 2022 Honor Roll - Highest GPA in the program

**Nanjing University of Aeronautics and Astronautic** Nanjing, CN

Bachelor of Science in Mathematics | Machine Learning, Mathematical Modeling 08/2017-06/2021