

Wai Leung (Cyrus) Ma

📞 (204) 963-8936 ✉️ macyrusca@gmail.com 📍 Winnipeg, MB (Relocation: Yes)

Summary

5+ years of project management experience

- Implemented secure system practices by enforcing least privilege access, separation of duties across roles (e.g., deployment and development), and restricting environment access by default. Coordinated third-party penetration testing to validate system security and defined firewall rules to allow only essential traffic (minimal ports and IPs).
- Ensured adherence to PCI DSS (Payment Card Industry Data Security Standard) and GDPR (General Data Protection Regulation) requirements, collaborating with cross-functional teams to protect sensitive personal and payment data on the eCommerce platform.
- Collaborated with more than 5 cross-functional teams to effectively identify and solve complex problems, ensuring seamless project execution and achieving optimal outcomes.
- Demonstrated strong analytical skills by identifying and prioritizing critical issues, enabling efficient problem resolution and minimizing potential risks for successful project completion.
- Achieving exceptional results under tight deadlines, showcased exceptional time management and organizational skills. Successfully completed all projects on time.
- Provide precise budget estimates and manage project execution within the allocated budget.

10+ years of experience in programming

- Experience in working with Microsoft SQL Server, MySQL, and Oracle databases. Skilled in utilizing SQL to develop stored procedures and generate reports for in-depth analysis
- Provide maintenance and support for eShop platform using PHP, HTML and javascript

2 years of experience in Data Science and Machine Learning at Red River College Polytech

- Gained skills in supervised machine learning (decision trees, support vector machines, regression, random forests), unsupervised machine learning (KMeans, Hierarchical Clustering, DBScan, Topic Modeling) and deep learning (CNNs, RNNs, LSTM, NLP)
- Achieved outstanding grades in assignments and projects by proficiently using Python and its libraries (TensorFlow, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn) to build various models, including classification, regression, and clustering algorithms, as well as creating impactful visualizations to communicate results effectively.

Professional Experience

RRC Student

Industry Project Experience (City of Winnipeg), 01/2025 – 04/2025

- Experienced in working with Agile methodology for project management, including sprint planning, daily stand-ups, and iterative development, to ensure timely and efficient delivery of project goals within a 4-month timeframe.
- Successfully engaged with the client from the City of Winnipeg to gather project requirements through effective communication, gaining a clear understanding of their pain points to ensure the solution addressed their specific operational challenges.
- Developed an automated document classification and distribution system within four months to streamline file handling processes. Employed DistilBertForSequenceClassification model to classify uploaded documents into predefined categories with 93% accuracy. Deployed the model and integrated it with Microsoft Power Automate to automate the retrieval of classification results and the movement of files into corresponding SharePoint folders based on predicted categories. This solution eliminated manual sorting and achieved a 98% reduction in processing time compared to manual handling.

eCommerce Manager

Pricerite Group Limited (Hong Kong), 08/2021 – 05/2023

- Upgraded eShop platform from Magento 2.3.3 to 2.4.3 in 9 months ensuring all new functions and existing functions migrated smoothly and within budget.
- Collaborated with various Financial Institution in Hong Kong for payment gateway implementation, ensuring compliance with PCI DSS and configuring firewall rules to permit only essential traffic (minimal ports and IPs).
- Communicating and coordinating between 6 parties, including outside IT vendors, marketing team, eCommerce operation team, stores operation team, and internal IT team.
- Successfully delivered a 3D application integrating AR and MR technologies within 4 months; migrated over 1,000 products and resolved technical challenges throughout the implementation process; served as the primary point of contact coordinating communication between two IT vendors and the client.

IT Assistant Manager

FoodMart Deluxe (Hong Kong), 01/2019 – 08/2021

- Led a team upgrading an outdated Point of Sale (POS) system, which had been in use for 10 years, to the latest version within a 9-month project timeline.
- Facilitated communication among 7 parties including store operation team, corporate IT team, merchandise team, logistic team and outside IT vendors.
- Actively contributed to the digitalization initiative by transitioning systems from on-premise infrastructure to cloud-based environments, with a focus on the Dynamics 365 platform.
- Collaborated closely with legal and IT security teams to maintain continuous compliance with GDPR regulations, ensuring the protection of personal data across systems and workflows.

Senior Business Analyst

Dah Chong Hong Holdings (Hong Kong), 01/2014 – 12/2018

- Directed a team of three business analysts utilizing T-SQL and LotusScript to develop over 10 custom workflow systems and ensured seamless communication among various corporate units including HR, group finance, general administration, and sales departments within the motor group.
- Orchestrated the implementation and successful launch of a global leave system for Dah Chong Hong Holdings within a six-month timeline, establishing effective communication with HR users spanning over five countries and internal HR stakeholders to ensure a seamless and efficient adoption of the system.

Education

Diploma in Data Science and Machine Learning

Red River College Polytechnic (Canada), 09/2023 – 05/2025

- Cumulative GPA = 4.41
- Relevant courses
 - Supervised Machine Learning - algorithms such as Decision Trees, Support Vector Machines, Regression, Random Forests
 - Unsupervised Machine Learning - algorithms such as KMeans, Hierarchical Clustering, DBScan, Topic Modeling
 - Deep Learning - algorithms such as CNNs, RNNs, LSTM, NLP
 - Data Management – SQL, NoSQL, Entity-Relationship Diagram (ERD), Data Architecture, Data Visualization using PowerBI
 - Python

Bachelor of Computing

Monash University (Australia)

Technical Skills

- Languages: Python (Pandas, Numpy, TensorFlow, Scikit-learn, Matplotlib, Seaborn), SQL, NoSQL, T-SQL, LotusScript, JavaScript
- Machine Learning: Decision Trees, Support Vector Machines, Regression, Random Forests, Clustering (KMeans, Hierarchical, DBScan), NLP, CNNs, RNNs, LSTM
- Data Visualization: PowerBI

Volunteer

Harvest Manitoba, Winnipeg, 08/2024 – 12/2024

Volunteer – Orientation

- Participated in orientation sessions to learn about Harvest Manitoba's mission and operations.
- Acquired knowledge about food distribution processes and volunteer responsibilities.
- Demonstrated commitment to supporting Harvest Manitoba's efforts in addressing food insecurity in the community.

Call Center Operator

- Operated as a dedicated volunteer call center operator, handling inbound calls and providing exceptional customer service.
- Assisted callers with inquiries, resolved issues, and directed calls to appropriate departments.

Red River College Committee for Inspire Conference, Winnipeg, 08/2024 – 11/2024

Registration

- Managed registration processes efficiently during the Inspire Conference.
- Assisted attendees with registration inquiries and provided on-site support.
- Collaborated with team members to ensure a seamless registration experience for conference participants.

Portfolio

LinkedIn: www.linkedin.com/in/wai-leung-ma-9726b316a

GitHub: <https://macyrus.github.io/>