Cynthia (Mengyuan) Li

Product Manager | AI & Data Platforms | Enterprise Automation

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U.S. work authorization: no sponsorship required

Experience

Volvo Cars   Gothenburg, Sweden
Product Manager - AI Decision Systems   *Aug 2023 – Present*

- Owned end-to-end strategy and multi-year roadmap for a global AI-driven trade compliance platform, explicitly designing human-in-the-loop decision boundaries for high-stake cases, standardizing workflows across regions and delivering **30-100M SEK ($3-10M)** in annual duty-savings.
- Led cross-functional product development (engineering, legal, logistics, procurement) to launch Volvo's first GenAI-powered procurement decision support system, building a policy-aware RAG pipeline on Azure; saved **6,800+ hours/year** and generated **36M SEK ($3.3M)** in sourcing value.
- Defined risk tiers, acceptance criteria, and escalation paths for AI-assisted decisions, ensuring that ambiguous or high-impact cases were routed to expert review rather than automated resolution.
- Built enterprise data contracts and governance tooling to validate inputs and outputs for compliance-critical workflows, reducing analytics QA time by 14% across **50+ teams**.
- Defined OKRs and phased rollout for agentic workflows (HS classification, FTA optimization, customs regimes), constraining model autonomy in high-impact scenarios to reduce compliance risk while scaling throughput and reliability.

SAP   Shanghai, China
Product Specialist - Automation & Integration Platforms   *Feb 2022 – Aug 2022*

- Led B2B integration platform enhancements on SAP Cloud Platform, enabling EDIFACT-based automation and accelerating **$50M+** in annual transaction volume.
- Coordinated engineering, infra, and release teams across 3 countries, cutting customer integration time by **25%** and improving platform uptime to **99.9%**.

Airwallex   Shanghai, China
Product Management Intern - Global Payments Infrastructure   *Nov 2021 – Feb 2022*

- Redesigned batch transaction and settlement workflows, increasing system throughput by **20%** and supporting **$10M+** in monthly payment volume.
- Drove SWIFT payments rollout across 17 countries, aligning regulatory, compliance, and engineering teams; reduced settlement errors by **30%** across **5,000+ monthly transactions**.

Alibaba Group   Hangzhou, China
Software Engineer - Real-Time Logistics Platforms   *Jul 2021 – Nov 2021*

- Contributed to real-time logistics and event-processing systems at scale, improving shipment visibility and execution reliability across distributed hubs.
- Gained hands-on experience with high-throughput, latency-sensitive systems, informing later product decisions around scalability, observability, and failure modes.

AtkinsRéalis   Atlanta, GA
Engineer I promoted to II, Infrastructure Analytics & ML Platforms   *Jan 2018 – Jun 2021 | Aug 2022 – Jul 2023*

- Designed and deployed ML-driven risk detection systems (anomaly detection, predictive maintenance) for 8,000+ safety-critical bridges used by U.S. DOT agencies, where false negatives carried real-world public safety risk, requiring conservative thresholds and human review for high-impact cases.
- Built scalable ETL and analytics pipelines (50+ TB) to support federally regulated compliance workflows, reducing manual processing by 70% while maintaining auditability and traceability.
- Implemented computer vision and NLP pipelines for inspection triage and reporting, improving defect detection accuracy and reducing time-to-action in safety reviews for high-risk findings.

Education

Georgia Institute of Technology   Atlanta, GA
M.Sc. in Computer Science   *GPA: 3.8/4.0*

- Teaching Assistant, Data Visualization Lab @Georgia Tech Library

Hong Kong University of Science and Technology   Hong Kong
B.Eng. in Engineering & Computer Science   *Honors*

Skills

Product & Leadership: Product Launch, Platform Strategy, Product Discovery, OKRs, Cross-functional Leadership, Experimentation

AI / Data / Infra: LangChain, Hugging Face, RAG, Python, SQL, OpenAI API, ETL/ELT, Azure AI Services, Docker, Kubernetes

Development & Tools: JavaScript, React, Java, Swift, Azure DevOps, Git, Figma, JIRA, Cursor