

Haoming Luan

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SUMMARY

Analyst with hands-on experience building automation workflows, operational data pipelines, and process controls in live business environments. Combines Python-based process improvement with structured analytical thinking to reduce manual work, improve decision quality, and support scalable operations. Columbia ERM background adds regulatory fluency and control-framework discipline rarely found in pure automation roles.

WORK EXPERIENCE

Infinity 8 International Trade (*International trade & logistics SME*) | Bakersfield, CA (Hybrid)

Management Analyst | Feb 2026 – Present

- Build Python pipelines to automate extraction and consolidation of order, inventory, logistics, and financial data across departments, eliminating 70% of manual handling time and reducing bottleneck identification from days to hours.
- Design company-wide AI usage guidelines covering Human-in-the-Loop validation, hallucination controls, and data-privacy safeguards, adopted across all departments for compliance-sensitive review workflows.
- Standardized 3 core cross-departmental SOPs using AI-assisted documentation tools, creating auditable, repeatable process records that cut onboarding friction.

Terracotta Management | New York, NY

Real Estate Private Equity Intern | May 2025 – Aug 2025

- Automated lease clause extraction and risk-flag identification across commercial real estate documents, reducing per-asset ODD review time by ~50% and enabling analysts to focus on judgment over manual document reading.
- Built dynamic DCF stress-testing models in Argus and Excel for a \$100M commercial portfolio, automating scenario data pipelines to run interest-rate shock analyses in minutes vs. hours.
- Produced weekly market intelligence memos on NYC commercial real estate using CoStar and RCA data, synthesizing raw market signals into risk summaries for investment committee review.

Shenzhen Xiaoya Apparel | Shenzhen, China

Co-Founder & Operations Manager | Jun 2019 – Jun 2021

- Designed and implemented warehouse operations controls across a 200+ SKU inventory; introduced QC checkpoints and root-cause review protocols that reduced fulfillment error rates by 84%.
- Built fulfillment tracking and process documentation from scratch, enabling consistent execution across seasonal volume spikes without adding headcount.

TECHNICAL PROJECTS

"What We Gonna Eat?" — *Collaborative Decision-Making Web App* | [Demo: www.luanhaoming.com]

- Built and deployed a full-stack web application using Python/Flask, React, Node.js, PostgreSQL, and WebSocket for real-time multi-user synchronization. Hosted on VPS with live demo available.
- Implemented synchronized "Group Room" feature enabling concurrent users to vote and converge on decisions in real time, with persistent state handling across clients.

Freelance Web & Game Development

- Delivered a production e-commerce platform for a client, handled end-to-end build, UX optimization, and deployment to live environment.
- Built a web-based multiplayer board game with real-time state management and multi-client WebSocket architecture; shipped to live environment supporting concurrent users.

RISK & ANALYTICS PROJECTS (GRADUATE CONSULTING, COLUMBIA UNIVERSITY)

Bumble Inc. — ERM Framework Redesign

- Applied Monte Carlo simulations to quantify KRI volatility across Human Capital and Cybersecurity domains; scenario analysis identified a 41% vs. 60% Board-tolerance gap and informed a prioritized mitigation roadmap.
- Stress-tested mitigation options and optimized the risk portfolio, raising the modeled Joint Probability of Success (JPos) from 41% to 62.3%.

Mortgage Product Line — Vendor Risk Mapping | OCC / FFIEC

- Built a Vendor Criticality Scoring Model stratifying 20+ vendors by inherent risk level, aligned with OCC Bulletin 2013-29 and FFIEC guidelines; designed control frameworks targeting GLBA and Business Continuity exposures.

Hitachi Global — ESG Risk Integration

- Integrated ESG KRIs and risk appetite thresholds into corporate risk register through materiality assessment; proposed Board-level governance structure for DEI accountability.

EDUCATION

Columbia University | New York, NY

M.S. in Enterprise Risk Management (ERM) | Dec 2025

Relevant: IT Risk Management, Cybersecurity Risk, AI & Emerging Tech Risk, Strategic Risk Modeling

University of California, San Diego (UCSD) | La Jolla, CA

B.A. in Sociology — Organizational Behavior & Social Data Analysis | May 2024

SKILLS

Core Tools: Python (Pandas, automation scripting) · SQL · Advanced Excel (VBA/Macros) · Tableau · Power BI

Domain Skills: Workflow Automation · Process Optimization · Cross-Functional Operations · Scenario Analysis · Stress Testing · Validation Controls · Process Documentation

Exposure: Argus · CoStar · RSA Archer · ServiceNow · GDPR · GRC Platforms

Languages: English · Mandarin Chinese (Native)