

Jiayu (Gavin) Zhang

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Experience

Senior AI Analyst (Finance) — Ignite Tech

Jun 25–Ongoing

- Implemented scalable workflows in Zapier, n8n, and Python across operations, reducing costs and improving EBITDA margin by 20
- Managed revenue operations and post-acquisition integration, setting up BigQuery & Dataform reporting that reduced revenue slippage by 85
- Championed AI tool adoption across teams, saving 2+ hours per person weekly.
- Reported to the CFO on efficiency, ROI, and AI initiative adoption; owned traditional financial reporting.

Senior Consultant (Deals) — PricewaterhouseCoopers

Nov 21–Jun 25

- Built FastAPI backends for financial data processing with validation, improving retrieval speed by 40
- Engineered scalable, parallelized data pipelines applicable to customer data integration workflows.
- Led data-driven analyses across manufacturing, SaaS, and pharma for deals totaling \$1B+.
- Enhanced due diligence with AI document processing and natural language data query.
- Translated complex business requirements into technical solutions for cross-functional stakeholders with consistently strong client feedback.

Supply Chain Data Analyst — 3Fold Resources

Aug 20–Nov 21

- Designed Python-based pipelines to automate procurement workflows, reducing manual work by 3+ hours weekly.
- Built analytics to optimize supplier selection, cutting costs by 75

Education

Bachelor of Commerce (Actuarial Science), University of Melbourne
Global Scholars Award; H1 Honours

Jun 19–Dec 21

Student Exchange Programme (Quantitative Finance), National University of Singapore
Dec 21–Jun 21
Honours

Skills

Programming: SQL, Python, Typescript, R, Haskell

Data: ETL & ELT, Data Warehousing, Airflow, Jupyter

Databases: PostgreSQL, Snowflake, RDS, BigQuery

BI/Analytics: PowerBI/DAX, Tableau, Looker

Backend/Infra: FastAPI, Docker, Kubernetes, Serverless Functions, Git

AI/LLM: LangChain Suite, Vertex, Vector DBs, RAG, OpenAI, Bedrock, MCP

Languages: English; Mandarin; Spanish (Professional)

Projects

Financial Dashboarding — Real-time reporting

Tech: Python, Snowflake

- Built interactive dashboards with a Python backend connected to Snowflake, enabling real-time financial reporting and KPI visualization.

Automated Invoice Processing (AIP) — OCR + LLM extraction

Tech: OCR, LLMs, PostgreSQL (vector)

- Developed end-to-end invoice processing with OCR, document parsing, and LLM-based extraction; used a PostgreSQL vector database for semantic search.

Algorithmic Market Maker — Low-latency trading system

Tech: Python, AsyncIO, WebSockets

- Built a high-frequency trading system consuming real-time market data over WebSockets with an asynchronous, low-latency architecture.