YANRUI WEI

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PROFILE

Finance Systems & Data Product Professional | Finance × Systems × Data

- 5+ years' experience across finance operations and system digitalization, owning reconciliation logic, reporting pipelines and ERP-enabled improvements.
- Hands-on experience translating finance requirements into system rules, data models and automated controls across ERP, reporting and analytics platforms.
- Strong analytical and technical fluency (SQL, Python, BI) to validate data correctness, diagnose reconciliation issues and support scalable, audit-ready finance systems.

EDUCATION

Singapore Management University - Singapore   **Aug 2023 - Jan 2025**
Master of IT in Business - Analytics Track (GPA: 3.64/4, Second-class honors of School Scholarship)

Shanghai University of International Business and Economics - Shanghai, China   **Sep 2008 - Jun 2012**
Bachelor of Management in Accounting (GPA: 3.34/4, Third-class honors of School Scholarship)

PROJECT EXPERIENCE

Revenue & Cost Automated Reconciliation Tool Development | WEO Corporation Pte Ltd. | IT Systems & Data Analysis Intern

- **Responsibilities:** Designed and owned an automated reconciliation tool bridging ERP Finance and Sales data, translating accounting logic into end-to-end system workflows including data ingestion, mapping rules, variance detection, exception tagging and reporting. Defined reconciliation logic, data field definitions and drill-down structures to support both management reporting and transaction-level investigation. Partnered with finance users to validate requirements, test outputs and ensure data accuracy and explainability
- **Achievements:** Delivered 99% variance coverage and reduced manual reconciliation effort by over 67%, improving data correctness and operational control while establishing a scalable foundation for finance automation.

EPC Fin-Biz Integration – SAP POC Settlement Module Go-Live | Shanghai Ruijing Energy Technology Co., Ltd. | Senior Financial Analyst

- **Responsibilities:** Acted as key finance system owner for EPC revenue recognition and cost settlement logic, translating accounting and operational requirements into SAP PS/MM/SD to FI/CO posting rules. Defined business rules, data mappings, edge cases and control logic; reviewed solution design and validated system behavior through end-to-end UAT. Led UAT execution for complex scenarios, reviewed test results and ensured accounting accuracy and audit readiness prior to go-live. Authored user manuals, delivered finance user training and defined SAP BPC reporting requirements to support project-level profitability tracking.
- **Achievements:** Successfully validated and launched EPC settlement logic, improving ERP–BPC integration and expected to shorten month-end close by 1 day while reducing manual reconciliation by ~70%.

WORK EXPERIENCE

VisionPower Semiconductor Manufacturing Company – *Semiconductor manufacturing – Singapore*   **2025.10 – Now**
Data Analytics Platform Engineer (Full-time)

- **Platform Maintenance:** Developed and maintained manufacturing defect data analytics platform using C#/.NET.
- **Yield Analytics Platform Integration:** Migrated Python-based yield analysis functions to SAS/CAS on SAS Viya, improving processing efficiency.

WEO Corporation Pte Ltd. – *Optical product manufacturing – Singapore*   **2024.06 – 2024.12**
IT Systems and Data Analytics (Intern)

- **Led Report Development:** Analyzed cross-departmental requirements, built automated reports and Power BI dashboards using Python and Power Query:
  - Revenue & Cost Reconciliation Report: Covered 99% of variance cases, improving monthly reconciliation efficiency by 67%.
  - PO Status Report: Integrated receipt and invoice data to visualize PO status in real time, reducing delays and improving execution efficiency.
  - Procurement Price Index Report: Tracked quantity, price, and YoY changes by subcategory, helped identify trends and optimize sourcing strategies.
  - Gross Margin Dashboard: Monitored profit trends by product/customer dimension, supporting business teams in identifying low-margin segments.
- **ERP Implementation (MS Dynamics 365 BC):** Supported rollout by cleaning/validating master data, simulated MRP processes to align with business logic.

Shanghai Ruijing Energy Technology Co., Ltd. – *New Energy – Shanghai, China*   **2018.10 – 2023.06**
Senior Financial Analyst (Full-time)

- **Financial Accounting & Analysis:**
  - Led monthly closing, reconciliations, financial report analysis for wind power companies, covering CAPEX, revenue, OPEX, and government subsidies.
  - Supported annual budget planning and cost-reduction analysis with Procurement, providing data-driven insights for strategy.
- **Workflow Optimization:**
  - Designed a semi-automated Excel tool, reducing closing time by 33% and improving accuracy in processing multi-million-dollar transactions.
  - Built an end-to-end project ledger for wind farm construction, covering full cycle from procurement to sales, with regular monitoring and risk alerts.
  - Developed SOPs (accounting manuals, reconciliation guidelines and closing checklists), strengthening governance, auditability and knowledge transfer.
- **ERP Implementation (SAP):**
  - Participated in EPC revenue recognition & settlement module design, testing, and user training.
  - Enhanced journal entry structure by defining field rules, contributed to scenario streamlining, implementation planning, UAT, and user guide creation.
  - Supported SO module implementation by performing user acceptance testing and preparing user documentation.

Shanghai NI Instrument Co., Ltd. – *Computer hardware and software – Shanghai, China*   **2012.06 – 2016.10**
AP Leader and GL Accountant (Full-time)

- **Accounting Operation & Leadership**: Led AP team (2 AP accountant + 1 cashier) and ensured accurate month-end/year-end closings.

ADDITIONAL

- **Finance Systems & Data**: ERP (SAP, MS Dynamics), Reconciliation Logic, Data Schema and Mapping
- **Analytics & Data**: SQL, Python, Power BI, Tableau, Statistical Testing, Machine Learning
- **Modelling & Design**: ER Modelling, Visio, Process Mapping