YUANLONG ZHANG

Jersey City, NJ, (216) 713-5558, yuanlong0910@gmail.com, **in** LinkedIn, **GitHub**, Tableau, Credentials@Credly

SUMMARY

- Results-driven BI Leader with 8+ years of experience in designing and implementing BI solutions. Proven track record in strategic BI planning and driving data-driven decision-making across organizations. Expertise in optimizing BI solutions, mentoring teams, and aligning BI initiatives with business objectives. Skilled in managing the entire BI lifecycle and stakeholder communication and leveraging cutting-edge technologies like Power BI, Fabric, Python, and Sigma to deliver impactful analytics solutions.

- **Experience:** *BI Solution Design, Reporting Automation (8 yrs.) | Data Modeling, ETL Development & Maintenance (5 yrs.)*
  BI Lifecycle Management (SDLC), Financial Analysis (3 yrs.) | Agile Project Management: Scrum, Kanban (3 yrs.)
- **Skills***:*   *Power BI (DAX, M, Paginated), Fabric, Power Automate, SQL, SSAS, SSIS, Excel (VBA), Python, Azure, Tableau*

EXPERIENCE

ENSTAR GROUP
New York, NY
Business Intelligence Lead Developer, Sr. Associate, Full-time   Mar 2023 – NOW
BI Strategy & Infrastructures Design

- Partnered with senior leadership to draft and implement the **BI strategy** and **Dev guidelines** in modeling and access controls.
- Created **SDLC** workflows for BI development using **Tabular Editor**, **VS Code**, and **Azure DevOps to** support **teamwork** on the same **semantic model**, allowing **version control**, **resolving conflicts**, and merging updates more efficiently.
- Coordinated with external vendors and developers to successfully integrate **the Arcesium** data platform into **Fabric** BI solutions.

BI Solution Optimization & Development

- **Diagnosed** and **optimized slow SQL queries**, **BI visuals**, and **semantic models**, achieving a **35% decrease** in query time.
- Designed and deployed 3 **Fabric** BI solutions from **PBI Premium**; migrated 40 ETL pipelines to **Dataflows Gen 2**; Orchestrated by **Fabric Data Pipelines**; implemented **dual mode** in semantic **and direct lake modes** in connections**.**
- Designed the 3 **composite models** in Power BI for ad-hoc analysis, providing investment teams with **real-time** data insights.
- Created 3 **paginated reports** by PBI **Report Builders** for investment reporting, **data monitoring**, and metadata management.

BI Team Leadership & Mentorship

- Performed **code reviews** of Power BI **semantic models** and reports from developers of Power BI **pbip** in **Azure DevOps**, fostering a culture of **continuous improvement** and elevating the team's overall technical proficiency in BI development.
- Developed the BI best practices and frameworks, ensuring **consistency** and **quality** while promoting a **data-driven** culture.
- Led hands-on **workshops** and on-demand technical sessions to **empower non-technical** staff with BI self-service tools.

AMERICAN INTERNATIONAL GROUP (AIG)
Jersey City, NJ
Business Intelligence & Reporting Developer, Full-time   Jan 2021 – Mar 2023
BI SDLC Management, Analysis & Support

- Collaborated closely with portfolio managers, analysts, and stakeholders to **identify business requirements**, leverage BI solutions for decision-making, and **translate** them into **technical specifications** for comprehensive **Power BI solutions**.
- Assisted in managing **SDLC** for 4 projects in requirements gathering, data cleaning, developing, and deploying **BI solutions**.
- Conducted 5 **tech interviews** and selected 2 candidates. **Elevated** team **proficiency** through **regular code review** and Q&A.

BI Solution Design & Reporting Automation

- Designed and implemented 5 **data models** (**relational, SSAS Tabular**) in **Azure SQL Server** and **Snowflake**; Created **composite models** in Power BI for enhanced analytical capacities, leading to a 40% **reduction** in **data retrieval** time.
- Developed 10 **BI solutions** and 6 **paginated reports,** resulting in an 80% improvement in **reporting efficiency** and enabling 45% faster **decision-making** for portfolio managers. Created customized **viz** by **Matplotlib**, **Seaborn,** and **Charticulator**.
- Conducted in-depth analysis of 8 **Power Queries** and developed 5 reusable functions by **M-Language** in **Advanced Editors**.

BI Solution Optimization & Technical Innovation

- Led a project implementing **Sigma** for user data exploration, integrating it with BI solutions to enhance **user-driven analytics**.
- Trained business users on the **Sigma**, empowering them to explore datasets independently and derive actionable insights.

NATIONWIDE MORTGAGE BANKERS
Columbus, OH
Business Intelligence Specialist, Part-time   Feb 2021 – Feb 2022

- Collaborated with the Data Engineer team, analyzing data models in data warehouses and Power BI dashboards, leading to a decrease of 80% in discrepancies and a 75% improvement in **reporting efficiency** while **automating ETL** for 80%-time savings**.**
- Automated ETL processes, resulting in an 80% time saving. Standardized procedures and documented **best practices** in coding and data modeling, enhancing consistency across the team. Developed comprehensive **guidelines** for **developing BI solutions.**

Business Intelligence Consultant, Full-time   Aug 2020 – Feb 2021

- Created 15 **Power BI** dashboards for decision-making from **SQL Server, PostgreSQL,** and **VB**-code legacy systems.
- Created 6 **PBI dataflows** with **Power Query** and **SSIS**: **decreased** refresh to 10%; raised 10 suggestions for **data quality.**
- Implemented **Row Level Security** (RLS); Fixed 100+ **DAX** issues and coached team members on **Power BI** development.

THE METROHEALTH SYSTEM   Cleveland, OH
Business Intelligence Developer, Contractor   *Apr 2020 – Aug 2020*
- Created and corrected 300+ tables and schemas into **data warehouses** from **EPIC, Oracle, and SQL Server** by analyzing **Python** and **SSIS** with the financial department. Optimized and fixed 30+ issues in **store procedures** and **DDLs**.
- Developed 30+ **SQL queries** and staging data by analyzing 20+ **business requirements** from other stakeholders.
- **Automated** data flow processes, including unzipping XML files and staging data, using **PowerShell** in **SSIS packages**.

THE GOODYEAR TIRE & RUBBER COMPANY   Akron, OH
Business Intelligence Analyst, Internship   *Jul 2019 – Dec 2019*
- Established 4 automatic **ETL Python pipelines** (using **Agile**) to replace **Tableau Prep** and reduced 1.5 hrs to 10 mins by converting datasets in **AWS S3** buckets into reportable formats and using **AWS lambda** for continuous updating.
- Collaborated with teams to map out key stages and **approval points** and created a **PoC** of **CI/CD pipelines** for Azure chatbots in **Azure DevOps**. Documented processes for reference.

PRICEWATERHOUSECOOPERS (PwC)   Shanghai, CN
Assurance Associate   *May 2015 – Oct 2017*
- Conducted financial audits for over 20 companies, leveraging **data modeling** and **advanced analytics** to identify significant discrepancies and potential risks through SAP, Excel, python, and internal SQL tools.

CHINA CITIC BANK   Shanghai, CN
Business Data Analyst   *Jul 2014 – Mar 2015*
- Utilized data analytics to enhance AML processes and boost financial product sales by 35%, while streamlining compliance reporting through pre-defined Excel templates (**Macro**) and **VBA** automation.

EDUCATION

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN
Master of Computer Science / GPA: 4.00/4.00   *Aug 2022 – May 2024*
Courses: Database Systems, Software Engineering, Data Visualization, Machine Learning, Could Networking, Data Cleaning

UNIVERSITY OF WASHINGTON
Certificate in Business Intelligence and Database Development   *Jan 2022 – Dec 2022*
Courses: Relational and Non-relational Databases, Data Migration (ETL), Data Management & Maintenance & Reporting

RENMIN UNIVERSITY OF CHINA
Bachelor of Engineer, Computer Science and Technology / GPA: 92/100   *Mar 2018 – Jun 2021*
Courses: Database Technology, Information Systems Analysis and Design, Management Information System (MIS), Java

CASE WESTERN RESERVE UNIVERSITY
Master of Science in Management, Business Analytics / GPA: 3.82/4.00   *Aug 2018 – Jan 2020*

EAST CHINA NORMAL UNIVERSITY
Bachelor of Economics, International Trade and Economics   *Sep 2010 – Jun 2014*

CREDENTIAL

Business Intelligence & Data Engineering
- *Microsoft Certified Solution Expert (**MCSE**): Data Management and Analytics*
- *Microsoft Certified Solution Associate (**MCSA**): Business Intelligence (BI) Reporting*
- *Microsoft Certified Azure Data Engineer (DP-203)*
- *Microsoft Certified Enterprise Data Analyst (DP-500, beta)*
- *Microsoft Certified Fabric Analytics Engineer (DP-600, beta)*
- *Microsoft Power Platform Functional Consultant (PL-200)*
- *Microsoft Certified Power Platform App Maker (PL-100)*
- *Microsoft Certified Power BI Data Analyst (PL-300, DA-100)*
- *sqlbi® Power BI Training Certificate × 5(100+Hrs.)*
- *Tableau Certified Data Analyst (TDA-C01)*

Financial Analysis & Project Management
- *CFA Level II Candidate*
- *Certified Internal Auditor (**IIA CIA**)*
- *Chartered Global Management Accountant (**CGMA**)*
- *CAIA Fundamentals of Alternative Investments (FAI)*
- *IMA Sustainability Business Practices Certificate (ESG)*
- *PMI Agile Certified Practitioner (**PMI-ACP**)*
- *Udacity Agile Software Developer Nanodegree*