

Yuna LIU



PROFILE SUMMARY

Experienced *Data Engineer* with PhD in Financial Economics. Proficient in working across the different stages of the data pipeline, building data-intensive dashboard, applying machine learning algorithms for finding complex data patterns.

CONTACT DETAILS

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Check-out my LinkedIn profile

Check-out my Github profile

PERSONAL INFORMATION

Swedish Permanent Resident

Languages: **Chinese, English, Swedish**

SKILLS

- SQL, SSMS, Power BI, Power BI Service, DAX Functions, Tableau, Python, PySpark, Panda, Numpy
- Warehouse, Azure Databricks, Azure Data Factory, Snowflake, Semarchy xDM
- Microsoft Excel, MS Word, MS PowerPoint
- SQL Server, ETL, Matillion, Azure Analysis Services (Cube)
- GitHub, Version control, Visual Studio Code, Microsoft Power Automate
- Communication and team collaboration

EXPERIENCE

DATA ENGINEER at *Sales Dashboard team at Volvo Cars, Göteborg, and Capgemini, Göteborg.* **2023.09 - present**

◇ Built and Maintained automated data pipelines for efficient data extraction, transformation, and loading (ETL) processes using SQL, Python, Azure, Snowflake and Matillion ◇ Developed interactive Power BI dashboards and reports with DAX to visualize KPIs and present findings. ◇ Created and optimized SQL queries, including UNIONS, JOINS, GROUP BY, and HAVING clauses. Designed stored procedures, views, and indexes; used temp tables, CTEs, and variables for data manipulation. ◇ Processed and validated large datasets from multiple sources to ensure accuracy. ◇ Experienced with Microsoft SQL Server Management Studio and knowledgeable in database management and data warehousing. ◇ Skilled in creating data model relationships (one-to-one, one-to-many, many-to-one, many-to-many) use Semarchy xDM and monitoring key metrics from daily reports. ◇ Worked with cross-functional teams to define project needs, analyze business problems, and deliver data-driven solutions. Conducted ad-hoc analyses to support strategic goals.

INTERNSHIP AS DATA ENGINEER at *Volvo Cars, Göteborg.* **2023.01 - 2023.05**

◇ Built data pipelines using Azure and Microsoft Power automate, to automate deployments of cell data in PowerBI dashboard.

INTERNSHIP AS DATA SCIENTIST at *Collector Bank, Göteborg.* **2022.09 - 2022.11**

◇ Conducted exploratory data analysis to identify patterns, trends, and insights using statistical methods and data visualization techniques to support business decisions.

RESEARCHER AND TEACHER at *Högskolan Väst, Trollhättan.* **2018 - 2021**

◇ Data clean, analysis and visualization; time series analysis, regression modeling and significance testing. Teach several bachelor and master courses in Finance and Economics; Supervise bachelor and master thesis projects.

EDUCATION

DEVELOPER IN AI OCH MACHINE LEARNING from *IT Högskolan, Göteborg.* **2021-2023**

PHD IN FINANCIAL ECONOMICS from *Umeå University.* **2009-2016**

◇ Applied causal inference for financial market; Quantitatively evaluate the effect of financial market merger for further policy regulation.

MASTER IN ECONOMICS AND MANAGEMENT from *Humboldt University of Berlin, Germany.* **2005-2008**

CERTIFICATIONS

◇ MICROSOFT CERTIFIED: AZURE DATA FUNDAMENTALS (DP-900), MICROSOFT CERTIFIED: AZURE FUNDAMENTALS (AZ-900), MICROSOFT CERTIFIED: AZURE AI FUNDAMENTALS (AI-900)

◇ SNOWPRO CORE CERTIFICATION, MATILLION ASSOCIATE CERTIFICATION, CREDIT RISK MODELING IN PYTHON UDEMY.