

Jun (Michael) Zhang

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Education

Master of Engineering | *University of Toronto* **Sep 2017 – Aug 2018**

- Department of Mechanical and Industrial Engineering

Bachelor of Applied Science in Engineering | *University of Toronto* **Sep 2012 – Aug 2017**

- Engineering Science

Certification

AWS Certified Solutions Architect – Associate **May 2021**

Udacity Data Engineering Nanodegree **Dec 2019**

Technical Skills

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- **Programming languages:** Python, Java, SQL, VBA
 - **Data Eng & Database:** ETL, Matillion, DBT, Snowflake, Databricks, Airflow
 - **Big Data & Cloud:** AWS, Hadoop, Spark, HDFS, MapReduce, Hive
 - **Others:** Bash, CI/CD, Git, Docker, Jira, Power BI, Looker

Working Experiences

Big Data Engineer **Jan 2022 – Present**

data.ai | Remote

- Designed, developed, and maintained data pipelines to ETL from various sources into a centralized data warehouse using Python, Airflow and Databricks
- Collaborated with cross-functional teams to design and implement data models and ETL processes for new data sources
- Implemented data quality checks and monitoring systems to ensure the accuracy and reliability of data
- Developed and maintained data documentation and data dictionaries to improve the efficiency of the data team

Data Engineer **Jul 2021 - Jan 2022**

NielsenIQ | Toronto, ON

- Created and managed data ingestion and processing workflows using Matillion, Snowflake, DBT and Airflow
- Automated report generation for clients using Amazon Redshift and Snowflake with Python and SQL
- Conducted data analysis and provided insights to support business decisions using tools like Tableau and Looker

Technical Analyst **May 2019 – Jun 2021**

Canadian Tire Corporation | Toronto, ON

- Created automated and scheduled ETL pipeline using Python for daily data updates
- Conducted data analysis on large datasets using SQL and Python to support business decision-making processes
- Built analytics tools that utilize the data pipeline to provide actionable insights into inventory, sales and other key business performance metrics and present in Power BI

Data Analyst **Feb 2019 – May 2019**

ANALYTICSMART - Insightful Thinking | Toronto, ON

- Designed and implemented a web-scraping ETL pipeline to scrape product information from BC liquor Store website
- Analyzed large, complex data sets using SQL, Python, and Excel to identify trends and patterns in customer behavior, sales performance, and marketing effectiveness
- Developed and maintained data models to support business forecasting, predictive modeling, and scenario planning

Business Analyst **Sep 2015 – Aug 2016**

Canadian Tire Corporation Supply Chain | Brampton, ON

- Created and maintained Access databases and Excel tools using VBA to reduce manual work
- Collaborated with cross-functional teams to identify business opportunities and created data-driven recommendations to improve business outcomes