

# Jun (Michael) Zhang

✉ [michael100824@gmail.com](mailto:michael100824@gmail.com) |  <https://michael100824.github.io> |  647-898-2459

## Education

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**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

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**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

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**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