
Jun (Michael) Zhang

Education and Certification

AWS Certified Solutions Architect – Associate	May 2021
Udacity Data Engineering Nanodegree	2019 - 2019
Master of Engineering (M.Eng)	2017 - 2018
University of Toronto	
Department of Mechanical and Industrial Engineering, specializing in data analytics	
Bachelor of Applied Science in Engineering (B.A.Sc.)	2012 - 2017
University of Toronto	
Engineering Science, Infrastructure, specializing in transportation engineering	

Technical Skills

- **Programming:** Python, Java, VBA, JavaScript, HTML, CSS
- **Data Eng & Database:** ETL, Matillion, DTB, Snowflake, PostgreSQL, Cassandra
- **Big Data & Cloud:** AWS (EC2, RedShift, S3, Glue etc), Hadoop, PySpark, HDFS, MapReduce, Hive
- **Others:** Linux command, Git, Jira, Power BI, Looker

Working Experiences

Data Engineer	Toronto, ON
NielsenIQ	July 2021 – Present
<ul style="list-style-type: none">• Performed data ETL using Matillion, Snowflake, DBT, Airflow, Pyspark on Databricks and Databricks PySpark• Automated report generation for clients using Amazon Redshift and Snowflake with Python and SQL• Created and maintained Looker BI Tool Dashboards	
Technical Analyst	Toronto, ON
Canadian Tire Corporation	May 2019 – Jun 2021
<ul style="list-style-type: none">• Designed and managed relational databases and used Python scripts to automate scheduled ETL process for daily data updates• Constructed complex queries to pull data from EDW or data lake and applying statistical analysis to generate reports and ad hocs based on requirements and delivered senior management team• Build 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	Toronto, ON
ANALYTICSMART - Insightful Thinking	Feb 2019 – Apr 2019
<ul style="list-style-type: none">• Created a Python ETL pipeline to automate the daily, weekly and period data download and upload process from LCBO SOD website using Selenium• Used Tableau, PowerBI, Excel and Python for data visualization and deliver customized business solutions• Scrap SKU, stock, rating and other information from http://www.bcliquorstores.com/ for marketing strategies decision making and inventory management	
Business Analyst	Brampton, ON
Canadian Tire Corporation Supply Chain	Sep 2015 – Aug 2016
<ul style="list-style-type: none">• Created and maintained Access databases and Excel tools using VBA to reduce manual work• Developed optimization models using excel and SQL and drew viable conclusions then present to manager	