Jun (Michael) Zhang

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Education

Master of Engineering | *University of Toronto*   **Sep 2017 – Aug 2018**
- Department of Mechanical and Industrial Engineering, specializing in data analytics

Bachelor of Applied Science in Engineering | *University of Toronto*   **Sep 2012 – Aug 2017**
- Engineering Science, Infrastructure, specializing in transportation engineering

Certification

Udacity Data Engineering Nanodegree   **Dec 2019**

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

Technical Skills

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

Working Experiences

Big Data Engineer   **Jan 2022 – Present**

data.ai | Remote
- Designed, operated and maintained ETL data pipeline using MWAA and Databricks
- Optimized existing estimation model logic and added new features as DA and DS requested
- Troubleshooted and solved JIRA tickets to support downstream teams

Data Engineer   **Jul 2021 - Jan 2022**

NielsenIQ | Toronto, ON
- Performed data ETL using Matillion, Snowflake, DBT, Airflow, Pyspark on Databricks
- Automated report generation for clients using Amazon Redshift and Snowflake with Python and SQL
- Created and maintained Looker BI Tool Dashboards

Technical Analyst   **May 2019 – Jun 2021**

Canadian Tire Corporation | Toronto, ON
- 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
- 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
- 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
- Scraped SKU, stock, rating and other information from http://www.bcliquorstores.com/ for marketing strategies decision making and inventory management

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
- Developed optimization models using excel and SQL and drew viable conclusions then present to manager