

# Nathan Chan

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*Motivated and analytical Computer Science graduate seeking Data Science internship or full time opportunities. Passionate about data, with strong skills in SQL, Python, and data visualization. A collaborative problem-solver who enjoys turning complex data into clear insights that support business decisions.*

## EDUCATION

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### GEORGE BROWN COLLEGE

*Postgraduate Certificate in Artificial Intelligence*

**Toronto, ON**

*Jan. 2025 - Dec. 2025*

### WESTERN UNIVERSITY

*Bachelor of Science in Computer Science*

**London, ON**

*Sept. 2020 - May 2024*

## PROJECTS

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### EV MARKET ANALYSIS

- Conducted market analysis to identify high-potential regions for electric vehicle investment.
- Researched industry reports and public datasets to identify key economic and infrastructure trends.
- Visualized insights through an interactive Tableau story.

### VEHICLE CRASH ANALYSIS

- Analyzed vehicle crash data to identify contributing factors to injury severity using PySpark and Snowflake.
- Integrated driver and non-driver datasets using SQL Server and cleaned the data with Alteryx.
- Designed interactive Power BI dashboards to visualize injury trends, crash types, and risk factors.

## RELEVANT COURSEWORK

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### DATA VISUALIZATION

- Developed interactive dashboards and visualizations to explore multi-dimensional datasets, enhancing user-driven insights and storytelling.
- Cleaned and prepared raw datasets using Tableau Prep, improving data quality and visualization accuracy.

### BIG DATA

- Learned to process and analyze large datasets using tools like Apache Spark, PySpark, Hive, Pig, and Hadoop.
- Gained hands-on experience building ETL workflows in Alteryx and querying structured data with SQL Server and Snowflake.

## SKILLS

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- **Data Analysis:** Proficient in SQL for querying and combining data from relational databases. Experience analyzing large datasets using Python (Pandas, NumPy) to generate insights and support business decisions.
- **Data Visualization:** Skilled in creating clear and effective dashboards using Power BI and Tableau to communicate performance metrics and trends to both technical and non-technical stakeholders.
- **Programming:** Experienced with Python for data manipulation and analysis. Familiar with R and cloud platforms such as Microsoft Azure for scalable data solutions.
- **Reporting & Tools:** Comfortable developing automated reports and scheduled queries. Working knowledge of Excel (advanced functions, pivot tables) and PowerPoint for presenting insights.
- **Communication & Collaboration:** Strong written and verbal communication skills, with the ability to simplify complex data findings. Proven experience working in teams and independently in dynamic, fast-paced environments.