Leon Kalish

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EDUCATION

University of Toronto - St. George **2020 - 2024**
Honors BSc, Statistics & Economics (Focus in Data Analytics) *Toronto, ON*

WORK EXPERIENCE

Data Analyst Intern | *SQL, Python, Tableau* Sept. 2021 – Jan. 2022
Video Experts Group *Toronto, ON*

- Constructed a dataset, using a **SQL** database from various data sources which was used by 3 different teams for quarterly metric reports.
- Created and maintained interactive visualizations using **Python** and **NumPy** through data interpretation and analysis, integrating various reporting components from multiple data sources.
- Using **Tableau**, was involved with the design, development, maintenance, and documentation of new metrics, reports, and dashboards.
- Proactively analyzed data to answer key questions from stakeholders or trends that may impact business performance.
- Monitored day to day data processes and ensured data cleanliness.

Barista June 2021 – Sept. 2021
Starbucks *Toronto, ON*

- Worked in a high-pressure environment where concise and fluid communication was integral.
- Analyzed efficiency pressure points and made efficiency optimization suggestions to shop management.
- Managed customer foot traffic to optimize overall cafe efficiency, increasing output from 35 transactions per half hour to 45.

Head Lifeguard & Swim Instructor June 2019 – Dec. 2020
North Thornhill Community Center *Toronto, ON*

- Closely oversaw teams of ~5 and coordinated rotation to maximize customer safety as well as labor laws.
- Helped reopen the pools in a manner that satisfied customers and new Covid protocols. Several suggestions were permanently implemented to optimize labor.

PROJECTS

New York City AirBnB Open Data Set: Exploration of AirBnB Pricing| *Python, Machine Learning* March 2022

- Used NumPy, Pandas, and Machine Learning libraries to generate insights into AirBnB pricing determinants.
- Using SeaBorn and MatPlotLib to generate graphs that visually demonstrated the correlations found. Bokeh was used to create interactive graphs demonstrating correlation between median household income per block and AirBnB price.
- Investigated and combined several publicly available datasets into one large dataset from which insights were generated.
- Used API libraries to pull up-to-date data and web-scraping methods when no API was available.

Analysis of Red-Light Camera Implementation in the Greater Toronto Area Sept. 2021 – Jan. 2022

- Used **NumPy**, **Pandas**, and **MatPlotLib** to generate graphs. 5 datasets were used, cleaned, and merged for analysis. **LaTeX** was used to generate final paper.
- Using spatial partitioning and **regression analysis algorithms** to conclude whether density of red-light cameras within a certain area reduces collisions.
- Implemented several regression models whose results helped discover hidden insights.

TECHNICAL SKILLS

Skills: SQL, R, Python; Tableau; Git; NumPy; Pandas; MatPlotLib.