

# Harrick Cheong

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[harrick.me](#) [linkedin](#) [github](#)

## Education

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### University of Toronto

Honours Bachelor of Science, Statistics Co-op

Graduated: Aug. 2023

## Experience

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### Loblaw Companies Limited | Data Engineer Intern

Sep. 2022 – May 2023

- Designed and implemented a monitoring service for cloud file ingestion with Apache Airflow and Google Cloud Services, optimizing pipeline reliability by promptly notifying support teams of missing files or delayed files
- Utilized Apache Beam to setup initial phase of file tracing in batch data pipelines and added metadata of raw files
- Led the migration of data lineage from CloudSQL to DataStore with Java and created test cases using JUnit and Mockito

### PepsiCo | Data Science Intern

May 2022 – Aug. 2022

- Developed an end-to-end dashboard tool for sales team to derive key performance indicators from past campaigns, using Python and Pandas in Databricks and visualized in Microsoft Power BI
- Designed and optimized a recommendation model to identify most valuable stores and products, facilitating targeted market expansion, obtained from statistical analysis on consumption data, using PySpark

### Royal Canin | Data Science Intern

May 2021 – Aug. 2021

- Constructed generalized linear models with glm package to obtain insight on the efficacy of marketing promotions
- Automated Python scripts to digitalize manual processes of retrieving data, creating models, and building reports
- Documented E2E flow of inventory allocation to customers to gain an overview of the distribution model

### Temerity Analytics | Data Analyst Intern

May 2020 – Dec. 2020

- Led initial phase of QA by writing ~300 queries with PostgreSQL to test data integrity for ~100 metrics
- Connected with third-party data vendors to expand proprietary database with geographic and consumer data
- Prepared Canadian census data for database integration by sourcing, cleaning, and aggregating

## Projects

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### Obelisk | React, PostgreSQL, Prisma, NextJS

June 2023

- A web app used for social media that features personalized feeds, tag-based searching, and interactive discussion

### PrimeCart | Java, Firebase, Android Studio

Feb. 2022

- An android app used for online grocery delivery, enabling real-time database updates for customers and owners

### Local Network Database | JavaScript, MySQL, Flask

Apr. 2021

- A webserver with session management capabilities, allowing users to create and update their profile page

## Extracurriculars

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### Software for Love | Software Developer

May. 2022 – Dec. 2022

- Implemented a SSO login and session component for volunteers coordinating events using React and NextJS
- Designed a PostgreSQL database using UML diagrams for relational mapping, and setup Prisma for ORM capabilities

## Technical Skills

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**Languages:** Python, Java, SQL, R, JavaScript

**Frameworks:** NextJS, Android Studio, Flask

**Developer Tools:** Airflow, Git, Google Cloud Platform, Firebase, Jira, Confluence

**Libraries:** pandas, numpy, great-expectations, google-cloud, tidyverse, openpyxl