

Qun Li

Toronto, Ontario | 416-418-4816 | Ericli6897@gmail.com | [LinkedIn](#) | [Github link](#)

EDUCATION

Bachelor of Science– University of Toronto

Major in Applied Statistic, Major in Applied Mathematic

Expected in Jun 2028

Toronto Canada

- **Year GPA:** 3.3
- **Academic Achievement:** Euclid Math Contest Honour Roll (Top 1.5% in Canada)

PROFESSIONAL EXPERIENCE

Math Teacher

Self

Dec 2024-Apr 2025

Toronto

- Tutored two students weekly on Euclid contest material, designed customized learning strategies.
- Helped all students achieve Top 25% Distinction of Euclid around Canada

Personal Gym Tutor

Self

Jan 2024– Present

Toronto

- Taught online weight loss strategies, created daily diet plans, and set nutrition programs
- Helped 5 students lose over 150 lbs combined

Math Instructor

Kumon Learning Centre(Part time)

Sep 2025-Oct 2025

Toronto

- Tutored students individually on challenging math problems, providing clear step-by-step guidance.
- Graded and reviewed assignments to track progress and ensure accuracy.

Project

[DemoAPI – API Automation Testing Framework](#)

Nov 2025

- Built a **CI-driven FastAPI** testing platform using Docker and **Jenkins**, executing Excel-based API contracts and generating HTML & Excel reports per build.
- Implemented a data-driven API regression system mapping business scenarios → API calls → expected status codes to validate backend changes automatically.

[House Price Prediction](#)

Oct 2025

- Built an end-to-end machine learning system to predict house prices, using XGBoost with Optuna optimization and a **scikit-learn Pipeline** for integrated preprocessing and feature engineering, ranking **Top 2%** among 5,000+ participants on Kaggle.
- Automated model serving by deploying the trained pipeline through a FastAPI REST API, fully containerized with **Docker**, and hosted on **Render** via GitHub auto-deploy.

[McDonald Customers Segmentation](#)

Nov 2025

- Conducted customer-segmentation analysis on McDonald's survey data using PCA-based feature extraction and **KMeans** clustering, identifying the highest-value segment and positioning its key demographic and preference profile.
- Delivered an evidence-based **commercial strategy** centered on the Target Segment, derived directly from statistical profiling and supporting visualizations.

[Walmart Sales Analyze](#)

Aug 2025

- Cleaned and transformed Walmart sales dataset using Pandas for preprocessing ;built a **Pandas-to-SQL pipeline**, enabling efficient integration of future dataset updates.
- Developed **PostgreSQL** queries with aggregation and window functions to analyze payment trends, customer behavior, and year-over-year performance.