

WENG LIANG CHONG

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SUMMARY OF QUALIFICATIONS

- **Programming Languages:** Python, R, SQL, Tableau, MS Office Suite, C++ & Bash
- **Technologies:** Databricks, Teradata, PySpark, SQLite, Pandas, NumPy, Matplotlib, Scikit-learn
- Strong working knowledge of Microsoft Excel including PivotTables, XLOOKUP and nested IF statements
- Proficient in relational databases, ER diagramming techniques and SQL for data retrieval
- Fluent in 7 different languages including Japanese, Mandarin, Cantonese and Indonesian

PROJECT

Los Angeles Marathon Finishing Time Estimator | R & Python 2020

- Created a marathon finishing time predictor that help runners obtain their estimated finishing time before the race day
- Built a web scrapper from scratch and scraped over 75,000 marathon runners data using Python and Selenium
- Engineered features and cleaned data by merging datasets, manipulating data structures and appending new attributes
- Performed exploratory data analysis in depth by forming 12 unique plots with extended commentaries using libraries such as dplyr and ggplot2
- Predicted personal marathon finishing time with an error of less than 5 minutes by implementing multiple linear regression, lasso and ridge regression

EXPERIENCES

Data Science Analyst, Loblaw Companies Limited (Canada) Jan 2021 – Present

- Performed ETL using SQL, Python and PySpark to extract store transaction data and develop text analysis algorithms to identify risky clients and load the cleaned data back into Teradata in attempt to investigate malfeasance
- Visualized outcomes in charts and pivot tables using Microstrategy and Databricks to better detect anomalies and discover data patterns

iOS Developer, Marlena Books (Canada) Sept – Dec 2019

- Developed and integrated Apple Push Notification (APN) using Google's Firebase Cloud Messaging service for backend support with minimal supervision
- Redesigned application's setting page to improve User Experience for individuals with dementia
- Demonstrated quick understanding and strong adaptability by designing black-box tests in a short timeframe for platform upgrades

Sales Assistant, OK Audio Sdn Bhd (Malaysia) May – Aug 2018

- Worked at a retail specialized in Public Address system, Pro Audio, Karaoke Equipment and Video Projectors
- Strengthened interpersonal skills by developing and maintaining client relationships through face-to-face contact, social media, email and telephone correspondences
- Reconciled cash drawer at the start and end of each day, accounted for errors and resolved discrepancies

Home School Tutor, Kurnia Academy (Malaysia) Jan – Apr 2018

- Tutored students ranging from age 7 to 15 to improve their understanding in Physics, Mathematics & Biology
- Improved communication skills by tutoring using personalized teaching methods for each student
- Showcased strong mathematical and analytical skills by constructing rigorous mathematical arguments when proving theories

EDUCATION

University of Waterloo, ON Sept 2018 – Present

Candidate for Bachelor of Mathematics with majors in Statistics and Computational Mathematics

- Awarded the President's Scholarship
- Relevant coursework: Advanced Regression, Advanced SQL, Data Visualization, Computational Statistics & Analysis, Object-Oriented Programming, Data Structures & Databases, Functional Programming and Algorithm Design