Xinyuan Zhao
Tel: 7808850699   **E-mail:** xinyuan.zhao.skyla@gmail.com
LinkedIn: Xinyuan Zhao

EDUCATION

University of Alberta   Edmonton, Canada
Bachelor of Science - Computing Science   *08/2018 ~ 12/2022*
Core Courses: *Linear Algebra, Differential Equations, Convex Sets Geometry, Algorithms, Program Development in C Language, Data Structure, Operating System, Android Software Development, Computer Network*

SKILLS

- ➢ **Programming** C/C++ • Python (Pandas, Scikit-Learn, Matplotlib) • Java • Python • Excel (Pivot, Lookup)
- ➢ **Analytics** SQL • Machine Learning • Data Mining • ETL • Dashboarding (Tableau) • A/B Testing

WORK EXPERIENCES

Yanc Data Consulting   Toronto, Canada
Intern Data Analyst   *10/2022~12/2022*
- ➢ Implemented credit scoring models to evaluate the creditworthiness of loan applicants and predicted loan default possibility based on user demographics with decision tree and random forest, achieving an AUC of ~0.8
- ➢ Utilized SQL aggregate functions and advanced database querying techniques to extract, manipulate and analyze banking and financial data; visualized the patterns and trends from risk assessment in Excel
- ➢ Used Tableau Story to tell data narratives on key risk management metrics, such as portfolio diversification

Global AI   New York, USA
Intern Data Scientist   *07/2022 ~ 09/2022*
- ➢ Developed a web scraper with Python to extract JSON data; utilized Pandas, Numpy and Matplotlib to perform exploratory data analysis, summarize the data extraction results and clean the stock data for modeling
- ➢ Built pivot tables and wrote SQL common table expressions to aggregate and analyze stock data efficiently
- ➢ Perform in-sample and out-of-sample forecasting at different frequencies using linear regression as baseline; evaluated the performance of ARIMA, SVM, and Holt-Winter machine learning models w/ MSE & R-Squared
- ➢ Built a daily running ETL to integrate new stock data into the time series, clustering & classification models
- ➢ Coordinated with research and engineering to document machine learning knowledge and use guide

Majorel China   Shanghai, China
Intern Data Analyst   *05/2021 ~ 08/2021*
- ➢ Responsible for data collection, cleaning, preprocessing, exploration and analysis for FMCG industry; used SWOT and Porters' Five Forces to analyze industry & market conditions
- ➢ Designed A/B testing by defining a clear hypothesis, selecting a representative sample to randomly divide into control and treatment groups; measured the impact of pricing and promotion on sales and customer behavior
- ➢ Conducted funnel analysis to identify bottlenecks in customer journey and improve the overall conversion rate
- ➢ Designed a Tableau dashboard with single metric, bar charts, heat maps and scheduled delivery to stakeholders
- ➢ Diagnosed sales volume metric drop with SQL to analyze root cause and provide data-driven recommendations

RESEARCH & PROJECT EXPERIENCE

Android Software Development   *09/2021 ~ 12/2021*
- ➢ Led a team of 6 to build an Android app that helps users track habits; set up CI/CD pipeline w/ Github Actions

Database Management Program   *09/2021 ~ 12/2021*
- ➢ Developed a database management program which allows users to view, create, delete, and modify database
- ➢ Applied Python and MongoDB and used data manipulation statements in SQL to implement database calls

uLearnify App Development   *09/2022 ~ 12/2022*
- ➢ Developed a web app on educating special needs children by using a technology stack that includes Node.js, PostgreSQL, Sequelize ORM, React, and Cybera RAC; Used Typescript to provide accessible UI