Chenjun Xu

Linkedin|Github|chenjux@uw.edu | (206) 496-6175 | Seattle, WA

SUMMARY OF QUALIFICATIONS

- **Computer Language:** Python, R, MATLAB
- **Analytics:** Machine Learning, SQL, MySQL, NoSQL, Power BI
- **Database Management**: Oracle, Postgres, AWS, GCP, Spark, Airflow

EDUCATION

UNIVERSITY OF WASHINGTON, INFORMATION SCHOOL   Sep. 2022 - June 2024c
Master of Information Management with Specialization in Data Science   Seattle, WA
- Relevant coursework: Data Science, Relational Database management, Machine Learning, Data Mining

UNIVERSITY OF CALIFORNIA, IRVINE   Aug. 2017 - June 2021
Bachelor of Science in Physics with Specialization in Computational physics   Irvine, CA

WORKING EXPERIENCE

SUPERMAP   Oct.2021 - June.2022
Data Engineer   Beijing, China
- Collaborated and built smart city maps data warehouse(ETL) which provides help for decision making on covid-19 Epidemic control, urban plumbing system, Aging population and etc.
- Migrated 1TB Map data and realize daily update warehouse data by writing SQL trigger, fetch, synchronize, and update the data between several Postgres and Oracle databases with Dolphin Scheduler
- Exploited Python to solve data management problems and improved 20% speed of sorting out Excel data

Highlighted project:
- Self-Designed and promoted a python automation tool to help complete the Website Data migration between two servers which save 90% time on similar website data migration task for the team members who don't how to use SQL

FASHION CLOTHES & SHOES BUSINESS   Mar.2018 – June.2021
Investment   Irvine, CA
- Data Mined StockX's price of each transaction of the goods and history data and daily change of Twitter's retweets and likes
- Developed a machine learning classification model make prediction if the shoes are worth to buy by using Algorithm of logistic regression in Python, made on average 75% profit margin on shoe investment in 2020 and 2021

PROJECTS

UNDERGRADUATE MACHINE LEARNING PROJECT & PROJECT LEADER, DOCTOR SHUN HE   Nov. 2020 - Oct. 2021
Researcher   Beijing, China
- Collaborated and Utilized Python to program and optimize five machine learning models, decision trees, neural networks, random forest, logistic models, and SVM to evaluate the generalization error of banknote authentication, and improve the accuracy of neural networks model 3%
- Analyzed and compared the accuracy and efficiency of different models

EVE ONLINE MARKET PRICE CHECKING APP   Sep. 2020 - Dec. 2020
Project Leader   Irvine, CA
- Led a team of 3, coordinated and maintained project progress with version control, and facilitated effective cooperation, mutual feedback, and communication among team members
- Collected and analyzed the price data and trading volume of the products through the official website, and established a model with neural network algorithm to predict the price of products
- Designed and developed user interfaces and user interactions with Tkinter to gather user data on app
- Carried out usability testing and feedback analysis that drove user experience and features design