Aaron Hong

aaron.dev247@gmail.com | LinkedIn | GitHub | Portfolio

Skills

- Python, Excel, SQL, Tableau, Power BI, Machine Learning
- Numpy, Pandas, Matplotlib, Scikit-learn(sklearn)
- English, Mandarin(Chinese), Cantonese(Chinese)

Education

Google Advanced Data Analytics Professional Certificate *12/2023 - 03/2024*

- Gained proficiency in Python, Tableau, exploratory data analysis, statistical data analysis, regression analysis, data modeling, and the basics of machine learning.

Google Data Analytics Professional Certificate *09/2023 - 12/2023*

- Gained proficiency in Excel, SQL, R, Tableau, data cleansing, extracting data from databases, and presenting data through dashboards.

Guangdong Baiyun University | Bachelor of Computer Science *09/2022 – 06/2024*

- Relevant Coursework: Data Structures and Algorithms, Operating Systems, Computer Architecture, Linear Algebra, Statistics and Probability, OOP(Java), Linux, Database Fundamentals, Network Security, Cloud Computing

Work Experience

Guangzhou URUN Big Data Service | Software Engineer *04/2020 - 07/2022*

- Increased development speed by 50% by adding useful features to the internal development system using HTML, CSS, and JavaScript.
- Collaborated with Python Team Leader to identify and resolve slow website queries. Implemented solution that increased query speed by 200%.

Projects

Data Analysis Projects

- A series of personal data analysis projects utilizing Python, SQL, Excel, Tableau, and Power BI.

Lookout Sentry

- Wrote a socket to facilitate data acquisition from third-party APIs, which increased the development speed of this project by 20%.
- Collaborated with the AI team to perform data cleansing on the acquired data using NumPy and Pandas, which reduced the AI team's workload by 25%.

Hangzhou Online Review

- Used multi-threading techniques to replicate and convert data from MongoDB to MySQL, which was 5-10 times faster compared to single-threaded operations.
- Wrote optimized SQL query that increased the speed of queries on the site by 200%.