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CERTIFICATES

- [Tableau Certified Data Analyst](#)
 - Issued April 3, 2024
- AWS Cloud Practitioner
 - (expected May 2024)

SKILLS

- **Languages:**
 - Python ----- 5yr
 - SQL ----- 2yr
 - R ----- 4yr
 - HTML ----- 1yr
 - CSS ----- 1yr
- **Data Visualization Tools:**
 - Tableau ----- 1yr
 - Power BI ----- 2yr
- **Others:**
 - Microsoft Excel ----- 6yr
 - GitHub & GitLab ----- 2yr

EXPERTISE

- **Machine Learning**
 - Scikit-learn, TensorFlow, PyTorch, XGBoost
- **Statistical Analysis**
 - A/B Testing, Time Series
- **Big Data Analytics**
 - Hadoop, Spark, Kafka
- **Cloud Computing**
 - AWS, GCP
- **Web Scraping**
 - BeautifulSoup, Selenium, API, Regex
- **Database Management**
 - MySQL, MongoDB
- **Supply Chain Management**
 - SAP

LANGUAGES

- English
- Chinese (Mandarin)

EDUCATION

Master of Science, Business Analytics

University of California, Davis

- Sep 2023 – Jun 2024 (Exp) San Francisco, CA
- **GPA:** 3.7/4.0; **Projects:** See [Personal Website](#)
 - **Coursework:** Machine Learning, Data Management, Advanced Statistics, Big Data, Cloud Computing, Supply Chain Management, Data Visualization, Data Design and Representation

Bachelor of Management, Financial Management

Fudan University

- Sep 2019 – Jun 2023 Shanghai, China
- **Coursework:** Corporate Finance, Investments, Accounting, Statistical Software – R, Mathematical Statistics, Python Programming, Data Mining: Theory and Technologies

PROFESSIONAL EXPERIENCE

Data Scientist (Practicum Project)

Angel Flight West

- Sep 2023 – Jun 2024 (Exp) San Francisco, CA (Remote)
- As part of the UC Davis MSBA, offer data solutions for aviation non-profit providing non-emergency medical transportation to [enhance pilot performance prediction and operational efficiency](#):*
- Engineered a Twofold Microtargeting Model to optimize mission offerings for pilots in weekly emails, integrated SQL-based Preference Score Calculation with Python clustering models, and improved the Email Response Rate by **20%**, advancing AFW's self-service ambition.
 - Elevated the accuracy of Pilot Success Model from **82%** to **90%** through K-means Clustering and Random Forest in Python, enhancing the new volunteer pilots' future performance prediction based only on their application-level data, boosting pilot engagement.
 - Extracted recent 10 years of business operation data (400K rows) using MySQL in DBeaver, utilized the CTE feature and index columns and reduced query execution time for calculating pilot-mission match scores by approximately **50%**.
 - Held weekly meetings with AFW's CIO to scope new analytics initiatives; presented quarterly updates on solutions and milestones to all AFW members, driving continuous improvement.

Digital Data Intern Digital Data & AI Team

LVMH (Shanghai) Management & Consultancy

- Sep 2022 – Dec 2022 Shanghai, China
- As the assistant of the LVMH data team, contributed to [enhancing sales and fostering digital transformation progress](#) for luxury brands through data-driven insights derived from strategic data models and advanced data analysis:*
- Supported the creation of 'High-Potential Algorithm' model using Random Forest in Python, aimed at forecasting customer purchase behaviors and identifying loyal clientele for Loewe, achieving an **89%** accuracy rate.
 - Leveraged Python and Excel PivotTable to develop unique analytical techniques, focusing on customer profiling, omnichannel, and touchpoints to identify e-commerce transformation challenges and propose actionable solutions for Loewe, Fendi, and Fred.
 - Produced **6** and presented **3** PowerPoint reports with detailed analysis output and visualizations; participated in weekly team meetings to provide updates and share insights.

Data Analytics Intern Data System Department

XY Investments

- Jun 2022 – Aug 2022 Shanghai, China
- At a newly founded quant investment firm, handled massive trading data through Python, [focusing on data cleaning, formatting, and optimal storage for the Research Department's utilization](#):*
- Decompressed, cleaned, and unified the format of point-in-time tick level stock data from 2015 (**2TB**) provided by different data sellers, wrote Python programs to convert them into minute data, and wrote checking programs to record their prices' and amounts' deviation out of certain tolerance ranges.
 - Wrote shell scripts in Linux, built virtual machines, and wrote wiki in GitLab as tutorials.