

# Shiyi “Ashley” Yue

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## PROFILE

MS in Business Analytics candidate at UC Davis. A data-driven, passionate, and goal-oriented fast learner with strong competency in Python and SQL. Value positions that I can contribute to, learn from, and grow with.

**Skills:** Data Wrangling, Data Visualization, Machine Learning, Hypothesis Testing, Experimental Design, Causal Inference Analysis, EDA, A/B Test, Time Series, Image Classification, Big Data, Business Intelligence

**Technologies:** MySQL, MS SQL Server, MongoDB, R, SPSS, Tableau, PowerBI, Python (Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, SciPy, TensorFlow, PySpark), Advanced Excel, AWS, GCP, HTML

**Certificates:** [Machine Learning Specialization](#), [Tableau Desktop Specialist](#), [SQL\(Advanced\)](#), [AWS Cloud Practitioner](#)

## EDUCATION

### University of California, Davis

San Francisco, CA

Master of Science, Business Analytics (3.7/4.0)

Expected Jun. 2023

*Highlighted Coursework:* Machine Learning, Advanced Statistics, Big Data, Data Management, Data Visualization

*Award:* Beta Gamma Sigma Membership (Top 20%)

### Southwest University of Political Science and Law

Chongqing, CHN

Bachelor of Economics, Economic Statistics (3.8/4.0)

Sept. 2018 - Jun. 2022

*Highlighted Coursework:* Statistics, Data Mining, Time Series Analysis, Econometrics, Finance, Accounting

## PROFESSIONAL EXPERIENCE

### Fashom

Miami, FL

Data Scientist (Practicum Project)

Sept. 2022 – Jun. 2023

*A fast-paced e-commerce startup planning to offer B2B API solutions regarding personalized recommendations.*

- Enhanced clothing attribute **image classification** algorithm accuracy by 40% by revamping model architecture using transfer learning (ResNetV2-50) within **TensorFlow** and utilizing Data Augmentation.
- Extracted, preprocessed, and visualized 63k+ clothing inventory data from **AWS Workspace**, using SQL and Python (including pandas, numpy, matplotlib, seaborn, and requests)
- Leveraged analytical **storytelling** to adeptly communicate with technical and non-technical stakeholders.
- Improved **team** productivity by creating reusable **Python** functions and fostering knowledge sharing, resulting in streamlined workflows and increased efficiency.

### PricewaterhouseCoopers (PwC)

Shenzhen, CHN

Business Analyst Intern

Sept. 2021 – Dec. 2021

- Revealed valuable patterns and insights by leveraging **MySQL**, **Python**, and **Tableau** to extract, process, and visualize 210K+ daily user engagement data from the client's website.
- Increased conversion prediction accuracy to 76% by applying **Logistic Regression** in Python to user engagement data, using significant features identified by Lasso Regression and business acumen.
- Achieved an 84% accuracy rate in forecasting weekly conversions by developing an **ARIMA** model in R that utilized user engagement metrics, enabling proactive business planning.

### Founder Securities

Shenzhen, CHN

Industry Analyst Assistant

Apr. 2021 – Jul. 2021

*A well-known industry consulting company in China.*

- Revealed trends and seasonal patterns by performing **EDA** on 327K+ monthly sales records in the FMCG industry using **Python** and **MySQL**.
- Identified opportunities and threats for the FMCG industry by conducting a **SWOT** analysis.
- Contributed to 30-page industry reports with data **visualization** via **Excel**, summarizing key patterns.

## PROJECTS

Customer Repurchase Analysis (Python & R: Random Forest, Decision Tree) | Causal Inference Analysis (Python: Causal Model) | Social Network Analysis (PySpark, SQL) | Image Compression (R: PCA) | Default Prediction (R: Lasso Regression, Cross Validation) | Clinics Check-In Analysis (Tableau) | Web Scraping (Python: BeautifulSoup)