Shuning Peng (Chloe)

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SUMMARY

➢ **To seek an internship of Data Analyst in spring / summer 2022**

Graduate student studying at USC majoring in Analytics specializing in data mining, data wrangling, data visualization and statistical modeling in Python, R and SQL

EDUCATION

M.S. Analytics	University of Southern California, Los Angeles, CA	**08/2021**-**05/2023**
B.S. Finance	Nanjing University of Science and Technology, Nanjing, China	**09/2016**-**06/2020**

PROFESSIONAL EXPERIENCE

Factors Affecting Pelvic and Lumbar Spine Abnormalities Project --- Los Angeles, CA

Independent reporter   **12/2021-02/2022**

- Crawled the related medical data with python, and used OLS model to show fitting accuracy index like R^2
- Used different distance algorithms to investigate K-NN classification of disease representations, and used Cross Validation to select appropriate K for regression prediction
- Added a perfect line to visualize the prediction whether patients have this disease or not, and made recommendations to form a report

Accomplishments:

- Using two different methods for prediction, we can see that K-NN had better fitting accuracy rate and R^2

Anime Recommendation System --- Los Angeles, CA

Core developer   **10/2021-12/2021**

- Investigated and cleaned over 17,000 groups of data of animes and users' information, performed an EDA to analyzed data quality issue with R
- Utilized univariate analysis and bivariate analysis with key statistics and visualization researching data's logistic relation and decreasing unrelated attributes
- Built a collaborative filtering recommendation system based on similar users and animes to recommend top N from the anime list that the user hasn't watched yet

Accomplishments:

- Made data organized, structured and found relationships between variables, providing some correct guesses for collaborative filtering
- Provided a more accurate recommendation method for systems with few items, more users, and stronger timeliness scenarios

Essence Securities, Co., Ltd. --- Nanjing, China

STAR Market Research Analyst Internship   **07/2019-09/2019**

- Used Stock explorer in Python to mine and integrate data of SSE STAR Market firms from Wind
- Utilized PivotTable to collect, manage and present market and fundamental data for in-depth analysis
- Performed panel data regression on STAR stocks, conducted individual stock time series regression to project future price trends in Essence Monthly Research Report

Accomplishments:

- Cooperated with business team to expand 50 more active clients

Grant Thornton LLP --- Nanjing, China

Auditing & Assurance Internship   **01/2019-02/2019**

- Constructed PivotTable, and employed functions like VLookup to verified common administrative expenses and receivables by comparing items to documentation
- Imported account data into database to facilitate audit analyses and generate actionable insights
- Liaised with client company's accounting department to communicate audit findings and reports

Accomplishments:

- Presented sampling in a more efficient and precise way compared to traditional methods

SKILLS

- Data Analysis Tool: Python, R, ARENA, SQL, SPSS, MATLAB, STATA, EViews
- Language: English (Fluent), Mandarin (Native)