

YUE YANG

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HIGHLIGHTS

- Proficient understanding Python (TensorFlow, NumPy, matplotlib, Pandas), Machine Learning, Tableau, SQL
- Negotiated and be able to actively collaborate with people from different culture background
- Entrepreneurial self-starter with experience delivering results across language, culture, and geography
- Familiar with the concepts of Nature Language Processing, Deep Learning and Big Data

EDUCATION

Stevens Institute Technology, Master of Science in Financial Engineering 09/2017 - 06/2019
University of Washington, Bachelor of Arts in Business Administration 09/2014 - 06/2016

SKILLS

Technical Skill: Supervised learning, Unsupervised learning, data visualization, predictive modeling

Software: MySQL, DB2, Excel, Tableau, Google Analytics, PowerBI, Python, R, Jupyter Notebook

Languages: English (Advanced), Mandarin (Native)

ACADEMIC PROJECTS

Bitcoin Prices Factors Analysis(R – Xts, Urca, tseries)

- Analyzed and built a new and reasonable quantitative price model to value Bitcoin price in the current market
- Applied different statistical approaches(unit-root test, cointegration test, ANOVA) to test the property of time-series data and determine the short & long-term relationship between factors and price
- Presented research findings to the audiences and summarized research details into a well-written report

Product Review Analysis (Python – sklearn, nltk, beautiful soup)

- Web scraping more than 10,000 game reviews from the Steam reviews community and wrote into CSV files for exploratory data analysis, text, and sentimental analysis
- Implemented machine learning algorithms such as LDA, VADER, logistic regression, and CNN to Identified the most frequent keywords in labeled comments and reclassified the un-labeled comments
- Diagnosed the model problems and future improvements; provided an analysis report

Stock Market Prediction(R – Quantmod, TTR, boot)

- Designed a comprehensive process of methodology for data collection, data cleaning, data processing, model building, and model validation
- Gathered S&P100 index and performed SVM, Random Forest, decision tree and some other machine learning algorithms to predict the movement of the stocks
- Validated and optimized the accuracy of prediction models, reducing the error rate and documenting the results

Data Visualizations Project (Tableau, Excel)

- Translate complex concepts and data into compelling visuals for project explanation
- Created visually impactful dashboards by Tableau for project reporting
- Extracted, interpreted, and analyzed data to identify key metrics and transform raw data into meaningful, actionable information

PROFESSIONAL EXPERIENCE

Shanghai Xinwang Iron & Steel Co., Ltd.

Shanghai, China

Marketing Assistant

Summer 2014 – Summer 2015

- Delivered monthly analysis for the sales decision that enabled the \$10million sales pipeline
- Visualized the comparison between market price and company price that help manager in price decision
- Worked closely with executive leadership and project managers to develop quotes and contract proposals
- Supported leadership in negotiation of large contracts and successfully completed the sales
- Maintained long-term relationships with key clients and developed trust and confidence in the company brand by working proactively to resolve customer issues quickly and ensure customer satisfaction