Yang Lin

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SKILLS & AWARDS

- Proficient in Python, R, SAS, SQL, SPSS, Tableau, Keras, Pytorch, Neo4j, AWS, OpenCV, PySpark, Spark, Databricks, Golang, Hive, Presto, Airflow, Docker
- Familiar with Machine Learning, Deep Learning, NLP, Graph Neural Network, Reinforcement Learning
- Customer Experience Project Management, Talent Community Development
- SAS Certified Advanced Programmer and Statistical Business Analyst, Neo4j Certified Professional
- Rank #132 on Kaggle (#1 in Competition: Home Credit Default Risk)

RELEVANT EXPERIENCE

Data Scientist (Senior Manager), Wish (Shanghai, China) Jan 2021 – Present

- Achieved more than 70% accuracy on detecting the misleading caused by the mismatch of images and text by using CLIP, Pegasus, and POS tagging
- Designed decent product selecting strategy with text mining and sales marginal growth analysis
- Evaluated the relationship between paid and organic impressions and optimized the purchase strategy

Senior Data Scientist, PwC (Shanghai, China) Mar 2019 – Jan 2021

- Applied Reinforcement Learning in Fraud Detection and the performance is 36% better than the original platform in the financial impact perspective and shared results with team members as a solid thought leader
- Cooperated with COO, led and designed human attention detection application on the business proposal and PPT based on EfficientNet and LayoutLM and achieves more than 85% in top 7 accuracy
- Combined DeepOCR and NLP to build up a knowledge-based entity extraction solution with more than 90% accuracy on media contracts and helped reduce labor cost significantly
- Utilized GCN to fulfill semi-supervised document classification with more than 80% accuracy
- Successfully adopted Alteryx, and coordinated with Financial teams on promoting better practices and workflow of electricity-consuming and financial statement analysis with 30% efficiency improvement
- Optimized the financial operation for fitness equipment company with network analysis in Neo4j

Statistics Analyst, Vitality Group (Chicago, IL) Nov 2017 - Nov 2018

- Predicted health risk via behavior and personal information with LGBM and achieved above 80% accuracy
- Carried out business analysis using web scraping to gather companies' reputation and relationships
- Analyzed and optimized daily operation problems, improving daily reporting efficiency by 30%
- Built and updated statistical models for research in topics of healthcare, wellness, and engagement

Research Analyst, Universal Studios (Orlando, FL) Apr 2017- Nov 2017

- Designed surveys and KPI with Qualtrics and enhanced 30% efficiency of data collection and processing
- Evaluate customers' experience and detect characteristics of unsatisfied customers
- Applied statistics into a great variety of surveys to conclude consumer behavior and demographics features
- Delivered comprehensive report of customers' sentiment, and explored the distribution of consumer insight

Healthcare Analyst Intern, Center for Healthcare Innovation (Chicago, IL) Aug 2016 - Dec 2016

- Increased 50% efficiency on hospitals' geodata automated collection by using Google API
- Visualized key dataset findings by creating functional dashboards and graphic summaries in Tableau
- Created a predictive model with SAS to forecast the trend of population distributions and analyzed emerging markets in the healthcare industry, constantly receiving positive comments from the CEO

Yang Lin (continued)

EDUCATION

University of Pennsylvania, Philadelphia, PA — Sep 2021 – May 2023
Master of Computer and Information Technology

Marquette University, Milwaukee, WI — Sep 2014 - May 2016
Master of Science in Computing – Business Intelligence and Analytics — GPA: 4.0/4.0

Southwestern University of Finance and Economics, Chengdu, China — Sep 2007 - June 2012
Bachelor of Science in Mathematics and Finance (Double Majors) — GPA: 3.2/4.0