Qingxia "Quency" Yu

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EDUCATION

University of Maryland, Robert H. Smith School of Business — College Park, MD, USA
Master of Science, Business Analytics — Dec.2019

University of California, Irvine, the Paul Merage Business School — Irvine, CA, USA
Bachelor of Arts, Business Administration — Sep.2015

SKILLS

- Programming: Python, R, SQL
- Big Data: Spark, Hadoop, Pig, MapReduce, Hive
- Cloud: AWS Operating (SageMaker, EMR, S3, API Gateway, EC2, Lambda, Athena, Kinesis)
- DevOps: Docker, Github
- Machine Learning: Linear Regression, K-means, Logistic Regression, Decision Tree, PCA
- Deep Learning: Tensorflow, Keras, CNN, GAN
- Visualization: AWS QuickSight, Tableau, Zeppelin
- Web: JavaScript, HTML, CSS, Django, Bootstrap

Work Experience

University of Maryland, Robert H. Smith School of Business — College Park, MD, USA
Research Assistant — Aug.2019-present
- Compose Python code to scrape 10GB+ data from 360 website using scrapy module
- Concatenate 1000+ result files to one file and use Tableau to analyze the problem

iSolvers — Sterling, VA, USA
Data Scientist Intern — May 2019-Aug.2019
- Converted R to Python and built various models in SageMaker and EMR platform using Apache Spark
- Composed Dockerfile, deployed Machine Learning models and created UI interface using apache server
- Prepared project deliverables and documentation as needed to support Architecture-related processes such as the Cluster launch in EMR

United Solutions — Rockville, MD, USA
Business Analyst Intern — Jan.2019
- Collaborated with IT team and clients to enhance application interface
- Designed and proofread client surveys, interviewed application users and collected feedback

Goto Fufillment Services — Los Angeles, CA, USA
Business Analyst — Dec.2016-Oct.2017
- Built models using Python to predict products' sales condition with 93% accuracy
- Made analysis of strategies in team of six members, presented recommendations to form strategic partnerships and increase market share by 10%

Bizright LLC — Los Angeles, CA, USA
Social Media Analyst — Sep.2015-Nov.2016
- Monitored, analyzed and identified gaps in digital and social media presence using Google Analytics
- Collaborated with product teams manage advertising campaigns and optimized social media channel communication to align with advertising campaign increasing revenues by 15% and number of consumers by 40%

PROJECTS

NBA Championship Prediction — Apr.2019
- Scraped data from website and cleaned data using Python beautifulsoup, requests, Xpath
- Built models to predict teams who entered Playoff with accuracy of 93% and simulated upcoming competition results to predict final championship

Hospital Performance Evaluation — Apr.2019
- Cleaned data and developed a reasonable method to fulfill missing values using R
- Constructed different models to predict patients' returning to a hospital

Traffic Sign Image Classification Analysis — Mar.2019
- Trained thousands of traffic sign pictures using Keras
- Built a model with CNN network and Fully Connected Feedforward method to read images using Python

Twitter Text Sentiment Analysis — Jan.2019
- Applied tokenization and normalization method to avoid effect of English words variation
- Built a model using Keras, Tensorflow and Fully Connected Feedforward method and achieved 80% + accuracy

LEADERSHIP EXPERIENCE

Qingguo Education Center, Co-founder — Oct.2017-Aug.2018
- Developed a Mistake Collection Method on Math and Physics, enhancing class test results by 14%
- Performed customer profiling, segmentation, and post-campaign analysis on local marketing campaign; presented data to support business decisions to increase revenue growth by 21%