

Nikki (Shizhang) Tian

LinkedIn  Github 

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Whiz data professional with rich experiences in data analytics/science, risk management, and quantitative finance.

EXPERIENCE

Associate Business Analyst, ID Analytics, a Symantec Company, San Diego, CA 03/2019 - Present

- Quantitative Analysis/Modeling – Access 15+ fraud and credit products ROIs on million record datasets to market product and promote sales; translate dollars saved from implementing solutions using advanced analysis (waterfall/swap strategies, FDR/KS statistics, case studies); find the best product bundle combinations and marginal benefit by leveraging machine learning algorithms (decision tree, XGBoost)
- Process automation – Working closely with developers to scale and automate Python scripts which accelerated data transfer, quality checks, and the testing process by one week per project; build model stability and performance tracking dashboards in BI platforms (Looker/QlikView) to replace manual quarterly reports
- Sales Support – Partnering with marketing and consultants on fulfilling and upgrading major deals, hosting pre-sale calls on testing designs; clients includes 4 leading telecom carriers, 8 major financial institutions, and 10+ e-Commerce lenders

Data Analyst, Coloresscience (Professional skincare startup), Carlsbad, CA 07/2018 – 03/2019

- Data Pipelines – Developed and maintained a relational data warehouse with 300+ tables; ETL across vendors (Sailthru, Salesforce) using Python and shell scripts; Monitoring, troubleshooting, and debugging dataflow issues
- Reporting – Built interactive product metrics visualizations, ROI tracking on a BI platform (Looker) as the backend SQL developer; Conduct ad-hoc analysis and deliver maximum business impact through expert understanding of the business and data structure
- B2C/B2B – Compared customer life time value against acquisition channel/product for marketing budget allocation; Determine subscription interval options based on past re-ordering patterns for subscription program on company website, which increased repurchase rate by 7% and enhanced capacity planning; designed and conducted A/B testing on email campaigns to find the best combination of high conversion and high average order value
- Modeling/Testing – data mining and sales forecasting project using Python (Pandas, NumPy, matplotlib, SciPy, sklearn); Product launching clinical studies: conduct 100+ statistical tests on 158 pairs of patients and practitioners' data to tell the product story, leverage logistic regression to predict customer satisfaction across cohorts using R; product recommendation algorithm: identified and ranked all product-basket combinations using Python, to be use as a reference for introducing best-suited products

Credit Analyst Intern, Cinda New Wealth Asset Management Co., Beijing, China 06/2017 - 08/2017
(one of the oldest & largest asset management firms in China, \$186 billion Assets)

- Using Python, I designed an independent project to automate and accelerate the financial reporting process, which can generate hundreds of valuation statements within one click, a workload used to take about 10 hours per month to finish
- Analyzed and determined, for a property rent and management fee revenue ABS, the senior /subordinated credit tranches

Financial Analyst Intern, GF Securities (IBD department ranked 1st, overall ranked 3rd across the industry), China 01/2016 - 03/2016

- Introduced over-the-counter allotment and performed the initial/accumulative bidding price inquiry to investors
- Assessed risk exposure of client portfolios, conducted due diligence research, filled in the daily product valuation report

EDUCATION

M.S., Finance (STEM, with emphasis in data science), University of California San Diego 08/2017 - 12/2018

- Data Science Using Python, Big Data Analytics, Supply Chain Analytics, Business Forecasting, Advanced Risk Management

B.S., Accounting, North China Electric Power University, Beijing, China 09/2012 - 06/2016

2014 Spring Term, University of California Berkeley (Statistics & Economics & Managerial Accounting) 01/2014 - 05/2014

TECHNICAL SKILLS

ETL and Database:	Cloud computing platforms (Amazon AWS & S3), Hive, Spark, Pentaho Data Integration
Programming languages:	Python, SQL, R, MATLAB, SAS, HTML/CSS, Git, UNIX/Linux shell scripting
Data Analytics/BI tools:	Looker, Tableau, Google Analytics, R Shiny, Excel, Salesforce, Sailthru, Tealium, QlikView
Data science:	Data mining, statistical testing, predictive modeling (regressors, classifiers, machine learning)