**Nikki (Shizhang) Tian**

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**OBJECTIVE**

Looking for data-intensive analyst roles. Passionate in discovering patterns behind data, skilled at data mining, sophisticated modeling, statistical testing, and advanced analytics. Hands-on experiences constructing business metrics, dashboards, and KPIs. Fluent in Python, R, SQL, Looker, Tableau, SAS and Matlab. I am a fast-learner, analytical problem-solver, and I never give up.

**EXPERIENCE**

***Data Analyst****,* **Colorescience**, Carlsbad, CA 07/2018 - Present

* Developing schemas and maintaining a relational data warehouse built by PostgreSQL (AWS RDS)
* Maintaining data pipelines and ETL process using Python, Pentaho Data Integration, Unix/Linux command line
* Create reports/business metrics using data analytics tools including Looker, SQL, Google Analytics, R, and Tableau
* Conducting statistical and A/B testing for marketing campaigns
* Proactively designing and analyzing marketing, operations, branding and pricing strategies

***Credit/Data Analyst Intern****,* **Cinda New Wealth Asset Management Co**., Beijing, China  06/2017 - 08/2017

(*China Cinda is one of the oldest & largest asset management firms in China, $186 billion Assets)*

* Designed an independent project to automate and accelerate financial reporting process in Python, which can generate hundreds of 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

***Consultant,*** **Capital Institute of Science & Technology Development Strategy, CISTDS**, Beijing, China 11/2016 - 01/2017

* Proposed a €5 million fixed income investments on foreign aid and green credit, which was adopted by the company board
* Coordinated forums and presented research results for EU-China Policy Dialogues Support Facility, a project financed jointly by the European Union and Chinese Government

***Financial Analyst Intern***, **GF Securities** *(IBD department ranked 1st, overall ranked 3rd across industry)*, China 02/2016 - 03/2016

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

**EDUCATION**

***M.S., Finance (STEM),* Rady School of Management, University of California San Diego** 08/2017 - 06/2018

* Advanced Risk Mgmt, Business Forecasting, Data Science Using Python, Big Data Analytics, Supply Chain Analytics

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

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

**PROJECTS & COMPETITIONS**

***Kaggle Qualitative Analysis & Housing prices prediction Competition*** 06/2018

* Identified and visualized significant variables (listing price/days, inventory) that influenced sales price using SQL and Tableau
* Ranked 1/28, achieved by feature engineering, PCA, stacked regression, and machine learning algorithms (Random Forests)

***Littlefield Technologies Simulation*** ***Competition***  02/2018

* Received 1st place in this MS Business Analytics program supply chain and operations competition
* Combining techniques from capacity planning, demand forecasting and operations simulation to achieve maximum profit

***Forecasting & Time-Series Analysis for Stock Returns and Volatilities*** 12/2017

* Fitting ARIMA, ARCH/GRACH, GJR, Factor models, OLS/Ridge/Logistic regression with MATLAB
* Accessing model by LBQ/DW/sequential hypo test, impulse response analysis, Information Criteria, LASSO and Cross Validation

***Student Data Hackathon 2017 | Biocom***, San Diego, CA 09/2017

* Lead a team of four, analyzed 700+ public schools’ data in SD County with exploratory, visual and trend forecasting techniques
* Discovered family wealth predict better academic performance; underscored education equality

**TECHICAL SKILLS**

Proficient in statistical testing and time series analysis using **MATLAB** and **SAS**; Data extract, transform, load (ETL) and database management using **SQL**, **APIs** and **Excel**; Data mining, modeling (linear&logistic regression/artificial intelligence), descriptive, predictive and prescription analytics using **Python**, **R**,and **Google Analytics**;Visualization and dashboard building using **Tableau, Looker** and **Plotly**; Business Softwares: **SAP**, **Salesforce, Intuitive**; Financial Databases: **Bloomberg Terminal, Capital IQ**; Business simulation/optimization, Supply Chain/Operations management using R and online platforms