

# QIUSHI YAN

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[Website](#) ◇ [Github](#) ◇ [Linkedin](#)

## EDUCATION

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**Vanderbilt University - Data Science Institute**

*Master of Science in Data Science*

**Nashville, TN**

August 2021 - May 2023

**Communication University of China**

*Bachelor of Arts in Data Journalism*

**Beijing, China**

September 2017 - June 2021

## EXPERIENCE

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**51Talk**

*Data Analyst Intern*

**Beijing, China**

September 2020 - June 2021

- Identified key factors in teaching performance and ROI with regression modeling
- Developed monitoring dashboard for admins based on previously identified metrics using Django and Vue
- Standardized R Markdown-based report and presentation template with custom bootstrap themes

**Analysys**

*Data Analyst Intern*

**Beijing, China**

May 2020 - August 2020

- Innovated Echarts-based data visualization components in web analytics service
- Designed tracking events for retention and churn analysis for ecommerce clients

**DiDi**

*Data Mining Engineer Intern*

**Beijing, China**

March 2019 - August 2019

- Reorganized Shiny dashboards into reusable modules and Docker images
- Conducted overseas geo-marketing research based on cluster analysis and correspondence analysis

## PROJECTS

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**Titanic Survival** - R, R Markdown

[report](#), [source](#)

- Developed a binary logistic model to predict survival probability
- Demonstrated the modeling process of preprocessing, model fitting, adjustment, validation and interpretation. Included other techniques such as multiple imputation and redundancy analysis.

**Trading Data Pipeline** - Python, pandas, Docker, AWS

- Designed an ETL pipeline for processing real-time trading data from the Deutsche Börse Group
- Developed configurable Python jobs which is scheduled to transform and save clean data into S3 and generate parameterized reports, including testing, profiling and containerization
- Developed Flask API deployed to AWS API Gateway

**JavaScript Notebook** - TypeScript, React & Redux, Node.js

[app](#), [source](#)

- Developed a jupyter-like notebook app for JavaScript and TypeScript
- Enabled user to import any third party library on the fly, powered by custom esbuild plugins
- Provided both command-line and browser interface

## ADDITIONAL

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**Languages**

R, Python, TypeScript, SQL, Shell

**Frameworks**

tidyverse, data.table, tidymodels, Shiny, React, Vue, Flask

**Tools**

AWS, Github Actions, R Markdown

**Certification**

[AWS Certified Developer](#)

**Communication**

I enjoy writing [blog posts](#) to share and explain data science tips