

QIUSHI YAN

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

EDUCATION

Vanderbilt University - Data Science Institute

Master of Science in Data Science

Nashville, TN

Expected May 2023

Communication University of China

Bachelor of Arts in Data Journalism

Beijing, China

September 2017 - June 2021

EXPERIENCE

51Talk

Analytics Engineer

Beijing, China

Intern, September 2020 - June 2021

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

Analysys

Data Analyst

Beijing, China

Intern, May 2020 - August 2020

- Innovated Echarts data visualization components in web analytics service, improved fetching speed by 10%
- Designed tracking events for retention and churn analysis for ecommerce clients

DiDi

Data Mining Engineer

Beijing, China

Intern, March 2019 - August 2019

- Reorganized Shiny dashboards into reusable modules and Docker images, added CI/CD workflow
- Conducted overseas geo-marketing research based on cluster analysis and correspondence analysis

PROJECTS

JavaScript and TypeScript Notebook - React, TypeScript, Redux

[app](#), [npm library](#)

- Developed a jupyter-like coding environment for js & ts, safely executing and bundle user's code directly in the browser. Provided command line interface, run `npx javascript-notebook serve` to try it out!
- Uses lerna for managing multi-package architecture including express server, frontend and command line. Uses redux toolkit for robust state management.

Github Statistics Viewer - React, GraphQL

[app](#), [repo](#)

- Developed React app visualizing github user's profile and repository statistics. Wrapped Github API with a GraphQL layer with auth0 authentication. Uses React context API and apollo server for data management.

API for Overwatch League Statistics - Python

[app](#), [repo](#)

- Developed a serverless API for data ingestion and cleaning for analyzing player performance in the Overwatch League, with Python's FastAPI.

Airbnb NYC Housing Dashboard - R

[app](#), [package](#)

- Developed Shiny app and R package to analyze Airbnb rentals in NYC, featuring spatial and text analysis of housing description. Uses custom HTML templates, shiny-js handlers and Sass.

ADDITIONAL

Languages

JavaScript, TypeScript, Python, SQL, Elixir

Frameworks

React, Next.js, react-query, express, GraphQL, Firebase

Certification

[AWS Certified Developer](#)