Katie M. Li

47 Ridgefield Ave, Ridgefield Park, NJ 07660

Phone: 917-512-3805 | Email: ML3749@columbia.edu | Website: https://katie-li-portfolio.vercel.app/

Experienced data analyst/project manager with hands-on experience in **Full Stack Development.** Seeking to leverage attention-to-detail skills and full-stack knowledge to build interactive and user-centered web applications.

SKILLS & LANGUAGES

Javascript (React.js, Node.js), HTML, CSS | SQL (MySQL, NoSQL), Git

Other Technical Tools: Java, Python, Redux, Docker, Webpack, TailwindCSS, Bootstrap, Express.js, Next.js, Firebase, MongoDB, GraphQL, Google Cloud Platform

Native level proficiency in written and spoken Mandarin

EDUCATION

Columbia University, Bachelor of Arts | Major in Mathematics-Statistics, GPA 3.6   *May 2018*

Relevant courses - Intro to CS, Data Structure, Analysis of Algorithms, Statistical Comp & Data Science

Related Professional Experience

Bank of New York Mellon   *Aug 2018 - Oct 2021*

Risk & Compliance Modeling and Analytics Group Lead Analyst   *New York, NY*

- Designed and developed a brand-new model performance application that monitors model lifecycle maintenance of over 120+ models within the company, automated the reporting process to produce various dashboards for executive managers' use by using VBA, Python and queried data with SQL from internal relational database

Personal Projects

Project 1 - Amazon Clone E-commerce Website

Fully functioned and deployed full-stack ecommerce website (MVC architecture) that includes authentication sign-in, shopping cart, payment processing through Stripe Checkout, Firestore database storing order history

-    *Deployed domain https://amazon2point0.vercel.app/*
-    *Repository https://github.com/katiem3749/amazon2point0*

- Built responsive web pages with using HTML/CSS (TailwindCSS), created reusable frontend components with React, and managed global state with Redux-toolkit, to perform CRUD operations
- Implemented the RESTful APIs with Node.js to handle HTTP requests and response; implemented NextAuth.js for sign-in authentication to allow users sign in with built-in OAuth Authentication Providers
- Implemented the Stripe Checkout for processing payments, connected Stripe webhook with Firestore Database to store successful transactions and for retrieving order history

Project 2 - Real-time Chat Application

Allows creating a contact list and broadcasting messages to one or more connected clients

-    *Repository https://github.com/katiem3749/real-time-chat-app3749*

- Realized bidirectional communication on the server side by using Javascript library - Socket.io
- Built client side interface mainly with the third party framework Bootstrap built-in features to achieve a fast, extensible frontend interface

Project 3 - Album Management Dashboard with GraphQL API

A dashboard to visualize personal collection of favorite music albums with features including front end user interface, back end data processing and database, and GraphQL for the API

-    *Repository https://github.com/katiem3749/albumCollection_graphQL_api*

- Generated a dashboard of albums that enables users to enter related information, update and delete artists or albums (CRUD operations)
- Set up connection to MongoDB database to store data and reflect any mutation called from the front end; created mongoose schema, used GraphQL to query needed data fields and realize mutation