LILI ZHENG

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Education

University of Glasgow   **Sep. 2021 – Sep 2022**
Master of Science in Quantitative Finance (Distinction)   *Glasgow, United Kingdom*

Xi'an Jiaotong-Liverpool University   **Sep. 2017 – Jun 2021**
Bachelor of Science in Economics   *Suzhou, China*

Projects

Lili's blog | *Nextjs, Tailwind, JavaScript* | Github | Blog   **Jan 2024**
- Used to show the personal information and projects in different pages in Next.js framework.
- Could be switched between dark and light mode.
- The introduction of each project can be show less or more.

Jobs applying Project | *React, Redux Toolkit, JavaScript, CSS, HTML* | Github | Github   **July 2023**
- Used to track job application progress.
- After login or register on the landing page, there are many pages, in the status page, three cards are shown: Pending Applications, Interview Scheduled, Jobs Declined. Below it is a chart, displaying monthly applications.
- Used HTTP methods and requests, the Axios library carry out actions such as getting, posting, patching, deleting resources from the server.
- Applied Redux Toolkit, a state management library, that all global state was stored in one globally accessible store and easy to update.

E-commerce Project | *React, Redux Router 6, JavaScript* | Github | Netlify   **June 2023**
- At home page, there are nav bar, featured products and in the bottom, consumers can sign up.
- In the product page, products are displayed which are coming from the API, and consumers can filter by the name, colors and price. The filters can also be cleared.
- There are two options to display the products: the column layout and the row layout.
- The products can be sorted by price (low/high) and name (A-Z).
- In the single product site, consumer can pick the amount of item they want and have a limited amount, and can choose different colors.

Drinks searching Project | *React, React Router, React Query, JavaScript, CSS, HTML* | Github | Netlify   **June 2023**
- Utilized the Cocktail DB API as the source of drinks data.
- Operated within a single HTML page, meant this was the Single Page Application (SPA) that content was dynamically updated without requiring a full page reload.
- Implemented styled-components as the styling option, because both the logic for the component and the styles could be put in the same file that speed up the development, as well as to prevent name collisions.
- Utilized the React Query to make less requests, since data was stored in cache.

Back-end Tours API and website | *Node.js, Express, MongoDB, Mongoose* | Github | Heroku   **August 2023**
- Developed a RESTful API and then created a server-side rendered website based on the data already had with Pug templates.
- Took a deep dive into the Express framework which handled request-response cycle and helped organize the application into the MVC architecture.
- Implemented NoSQL method to store data in documents with BSON format and connected a MongoDB database with the application by using Mongoose, the Object Data Modeling library.
- Created a modern authentication system with JSON Web tokens (JWT) that all the communications happen over HTTPS to ensure the security.

Experience

Suzhou Lingxu Information Technology Co., Ltd   **July 2020 – August 2020**
Data Analyst Intern   *Suzhou, China*
- Created various Excel documents to assist with pulling useful data and presented information to the leader.
- Carried out data collection, data analysis and data integration according to project needs.