

SHIHUA YIN

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Portfolio: <https://shihuayin.github.io/> LinkedIn: <https://www.linkedin.com/in/shihuayin/>

Summary

Multilingual software developer with hands-on full-stack development experience using **JavaScript** and **Python**. Familiar with agile development practices, including **Kanban**, and proficient in using **Git** for version control. Committed to delivering clean, maintainable code and passionate about leveraging innovative technologies to address real-world challenges and deliver tangible business value.

Education

Goldsmiths, University of London | Computer Science | Bachelor **September 2022 – Present**

- Course Modules: Web Development, Databases and the Web, Software Design and Development, Object Oriented Programming, Data Mining, Agile Software Projects, Artificial Intelligence.

Technical Skills

Programming Languages: JavaScript, Python, HTML, CSS

Database: MySQL, MongoDB, Firebase

Frameworks: React, Node.js, Express.js, REST APIs, React Native, EJS, Bootstrap, Tailwind CSS

Volunteer Experience

Web Developer - East London Waterworks Park **December 2024 – Present**

- Transitioned the site from a PHP-based structure to React, significantly improving performance and user experience.
- Collaborated with designers in bi-weekly Google Meet sessions to convert Figma wireframes into reusable React components, ensuring a consistent and responsive user interface.

PROJECTS

Travel Management Application | React Native, Firebase, Expo, JavaScript (ES6+)

- A mobile travel management app built with React Native that enables users to create, manage, and track trip details including expenses, packing lists, and photos.
- Leveraged Firebase Authentication, Firestore, and Storage to ensure secure user management and real-time data synchronization across all modules.
- Implemented a modular navigation architecture using React Navigation, with distinct stacks for authentication and main app screens, enhancing code maintainability

Personal Financial Management System | React, Firebase, Recharts, SDK | [Link](#)

- A web-based financial management application that supports creating, editing, and deleting financial records, with multi-dimensional filtering based on description, type, and date range.
- Dashboard displays key financial metrics and historical trends, with pie charts and line charts that visually present the distribution and changes in amounts across different categories.
- Integrated with Firestore for data storage, ensuring real-time updates and smooth data management, capable of handling over 50,000 records in real time.

Trip Map Tracker | Next.js, Geocoding API, React Hooks | <https://travel-log-app-topaz.vercel.app/>

- A web-based travel log application that allows users to click on a map to mark locations, add comments, and store personal trip records.
- Integrated Leaflet for interactive map display, combined with OpenCage Geocoding API to accurately convert latitude and longitude into city and country details.

Stock Data Dashboard | Python, FastAPI, React | [Link](#)

- A web application integrating historical stock data, analyst ratings, curated news, and dynamic word clouds to provide interactive insights into market sentiment and stock performance.
- Built backend services using FastAPI, retrieving historical stock data and analyst ratings via yfinance, while also fetching related news using NewsAPI.
- Frontend is implemented with React, using Recharts to render line charts of stock closing prices and displaying detailed analyst rating data and news lists.